

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011905.D
 Acq On : 30 Aug 2019 13:12
 Operator : SY/SP
 Sample : MDL02 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL

Quant Time: Aug 31 02:00:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	366130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	499039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	461672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	267848	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	177127	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	5.48	113	163326	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	8.71	98	605791	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.14	95	247313	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	7469	3.380	ug/l	96
3) Chloromethane	1.31	50	7268	2.837	ug/l	97
4) Vinyl Chloride	1.39	62	7266	2.970	ug/l	100
5) Bromomethane	1.63	94	6179	3.651	ug/l	95
6) Chloroethane	1.72	64	4600	3.022	ug/l	99
7) Trichlorofluoromethane	1.92	101	13238	3.116	ug/l	86
8) Diethyl Ether	2.17	74	4598	3.149	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8937	3.228	ug/l	96
10) Methyl Iodide	2.50	142	3392	4.716	ug/l	97
11) Tert butyl alcohol	3.03	59	5877	17.414	ug/l #	91
12) 1,1-Dichloroethene	2.36	96	7601	2.956	ug/l	89
13) Acrolein	2.28	56	2163	12.877	ug/l #	26
14) Allyl chloride	2.72	41	13170	2.730	ug/l	99
15) Acrylonitrile	3.13	53	11515	14.359	ug/l	97
16) Acetone	2.43	43	12880	17.065	ug/l	95
17) Carbon Disulfide	2.56	76	20470	2.775	ug/l	99
18) Methyl Acetate	2.76	43	6394	3.060	ug/l	91
19) Methyl tert-butyl Ether	3.18	73	23735	2.849	ug/l	98
20) Methylene Chloride	2.84	84	15577	Below Cal		97
21) trans-1,2-Dichloroethene	3.15	96	8777	2.898	ug/l	95
22) Diisopropyl ether	3.84	45	27242	2.766	ug/l #	84
23) Vinyl Acetate	3.80	43	84379	13.327	ug/l	98
24) 1,1-Dichloroethane	3.69	63	15327	2.822	ug/l	99
25) 2-Butanone	4.67	43	15296	13.915	ug/l	97
26) 2,2-Dichloropropane	4.57	77	13434	2.950	ug/l	94
27) cis-1,2-Dichloroethene	4.58	96	10634	2.980	ug/l	98
28) Bromochloromethane	5.01	49	7705	3.162	ug/l	98
29) Tetrahydrofuran	5.12	42	9606	14.000	ug/l	98
30) Chloroform	5.20	83	18367	3.163	ug/l	100
31) Cyclohexane	5.57	56	12874	2.939	ug/l	90
32) 1,1,1-Trichloroethane	5.48	97	14964	2.901	ug/l	99
36) 1,1-Dichloropropene	5.79	75	12010	3.038	ug/l	98
37) Ethyl Acetate	4.83	43	6213	2.655	ug/l #	86
38) Carbon Tetrachloride	5.77	117	13872	3.025	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	14614	3.103	ug/l	94
40) Benzene	6.13	78	34534	2.926	ug/l	100
41) Methacrylonitrile	5.03	41	4400	3.193	ug/l	92
42) 1,2-Dichloroethane	6.18	62	12234	3.048	ug/l	90
43) Isopropyl Acetate	6.43	43	13731	2.894	ug/l	94
44) Trichloroethene	7.21	130	10757	2.946	ug/l	93
45) 1,2-Dichloropropane	7.51	63	8802	2.851	ug/l #	84
46) Dibromomethane	7.65	93	5534	3.021	ug/l	93
47) Bromodichloromethane	7.89	83	12604	2.774	ug/l	96
48) Methyl methacrylate	7.77	41	6538	2.832	ug/l	99
49) 1,4-Dioxane	7.74	88	2178	68.605	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	34024	14.115	ug/l	100
52) Toluene	8.78	92	22759	2.915	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	12885	2.769	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	14293	2.736	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	8075	3.011	ug/l	97
56) Ethyl methacrylate	9.17	69	10474	2.814	ug/l	98
57) 1,3-Dichloropropane	9.37	76	13003	2.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	22844	12.885	ug/l	97
59) 2-Hexanone	9.49	43	24680	14.414	ug/l	98
60) Dibromochloromethane	9.58	129	9674	2.686	ug/l	99
61) 1,2-Dibromoethane	9.67	107	7809	2.937	ug/l	99
64) Tetrachloroethene	9.33	164	12007	3.233	ug/l	97
65) Chlorobenzene	10.14	112	26117	2.919	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	10278	2.841	ug/l	98
67) Ethyl Benzene	10.25	91	45092	2.963	ug/l	99
68) m/p-Xylenes	10.35	106	35284	6.005	ug/l	94
69) o-Xylene	10.70	106	16629	2.904	ug/l	99
70) Styrene	10.71	104	29302	2.903	ug/l	99
71) Bromoform	10.85	173	7217	2.821	ug/l #	98
73) Isopropylbenzene	11.01	105	45361	2.947	ug/l	99
74) N-amyl acetate	10.89	43	12419	2.719	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.26	83	9421	2.991	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	9328	3.540	ug/l	90
77) Bromobenzene	11.25	156	13507	3.026	ug/l	97
78) n-propylbenzene	11.35	91	51059	2.926	ug/l	100
79) 2-Chlorotoluene	11.42	91	30493	2.903	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	38934	2.931	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	119978	114.393	ug/l #	11
82) 4-Chlorotoluene	11.51	91	37635	2.970	ug/l	99
83) tert-Butylbenzene	11.77	119	39649	2.942	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	39149	2.876	ug/l	98
85) sec-Butylbenzene	11.94	105	46158	2.948	ug/l	99
86) p-Isopropyltoluene	12.06	119	44121	2.906	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	24544	2.959	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	25014	2.983	ug/l	91
89) n-Butylbenzene	12.38	91	38311	2.852	ug/l	99
90) Hexachloroethane	12.59	117	8600	2.928	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	22846	2.962	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1970	3.140	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	19665	3.028	ug/l	98
94) Hexachlorobutadiene	13.78	225	12483	2.878	ug/l	97
95) Naphthalene	13.83	128	31463	2.823	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	17241	2.936	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

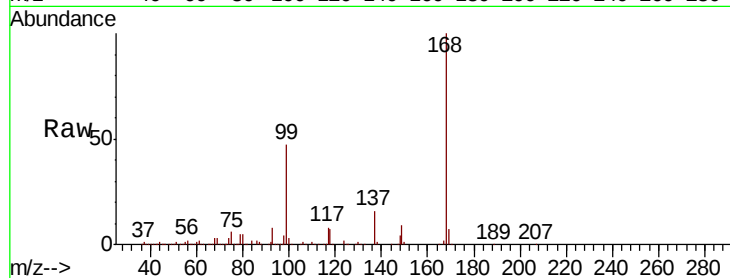
MDL

Tgt Ion:168 Resp: 366130

Ion Ratio Lower Upper

168 100

99 47.2 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

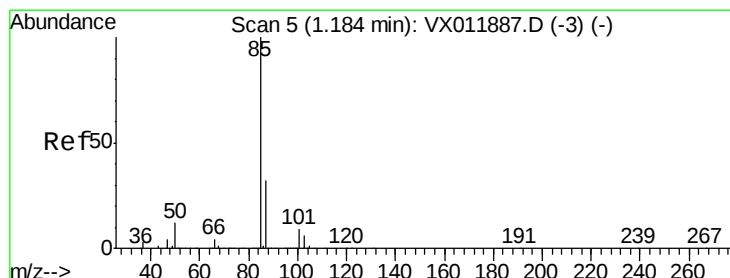
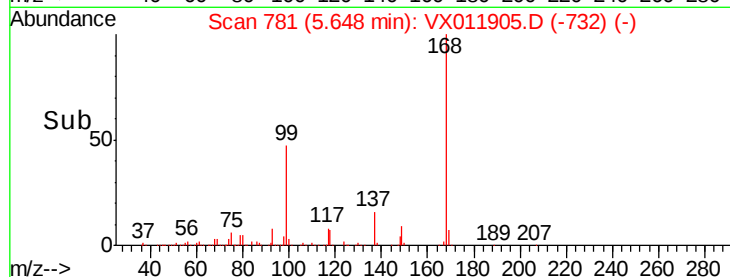
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.380 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011905.D

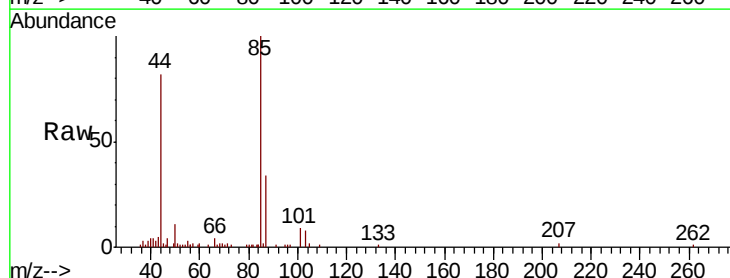
Acq: 30 Aug 2019 13:12

Tgt Ion: 85 Resp: 7469

Ion Ratio Lower Upper

85 100

87 34.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

8000

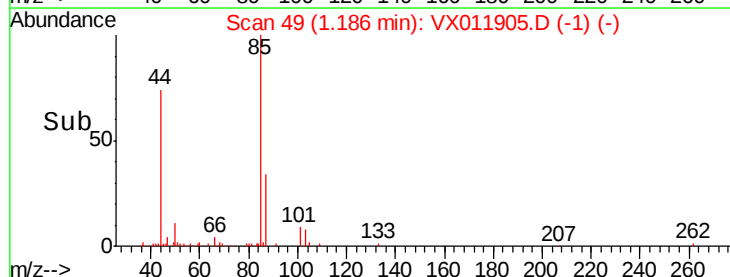
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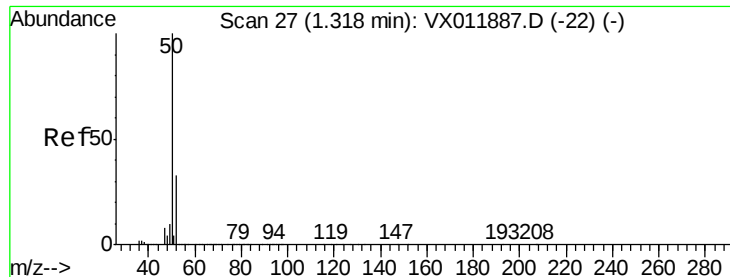
4000

2000

0

Time-->





#3

Chloromethane

Concen: 2.837 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

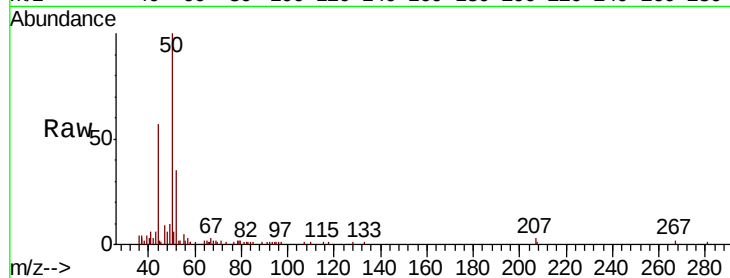
MDL

Tgt Ion: 50 Resp: 7268

Ion Ratio Lower Upper

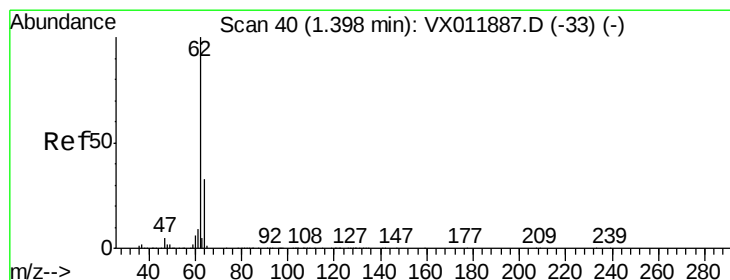
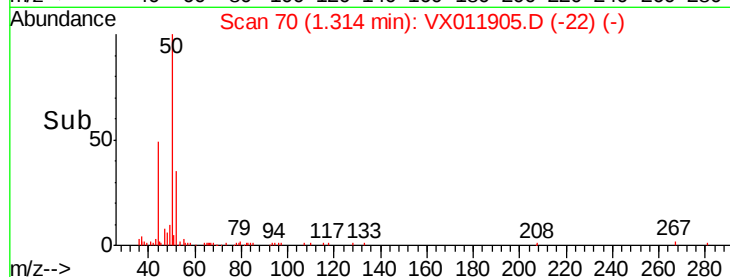
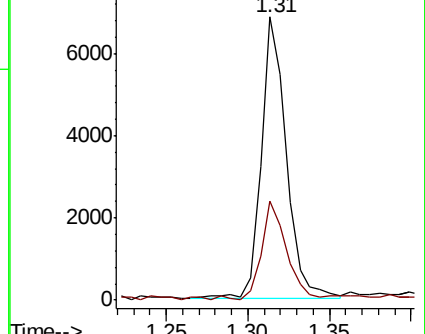
50 100

52 34.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.970 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011905.D

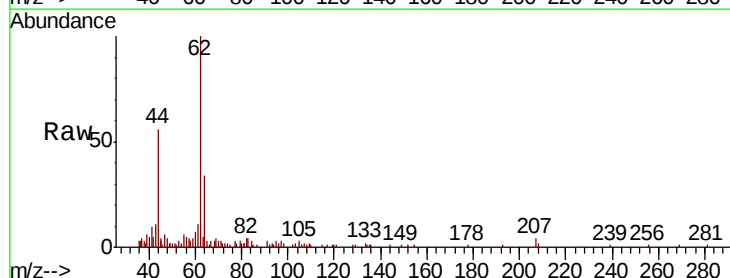
Acq: 30 Aug 2019 13:12

Tgt Ion: 62 Resp: 7266

Ion Ratio Lower Upper

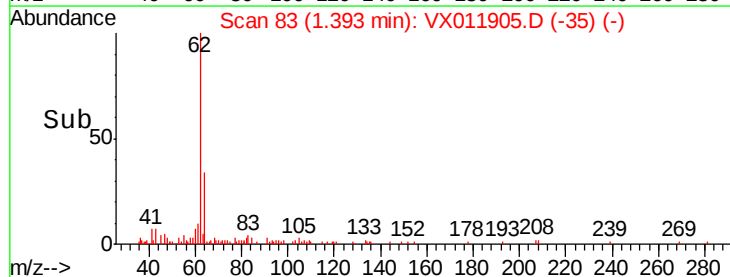
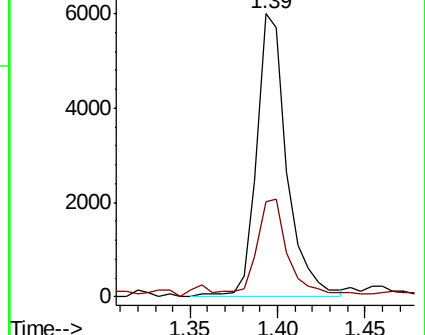
62 100

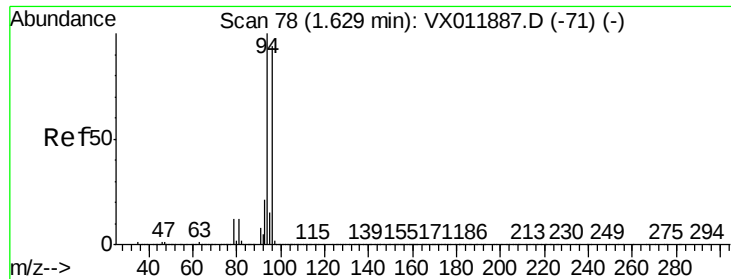
64 32.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.651 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampled :

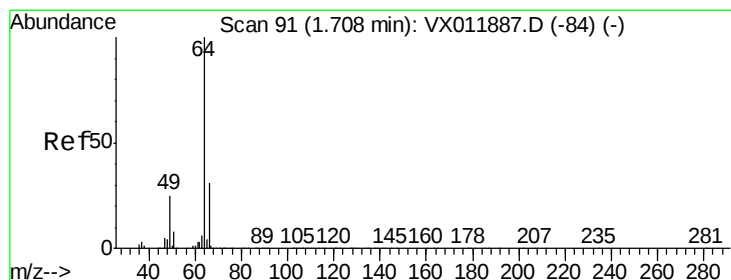
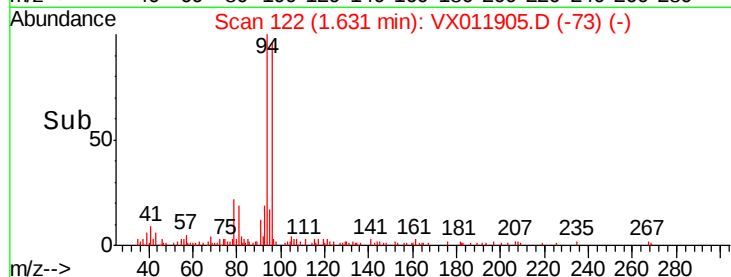
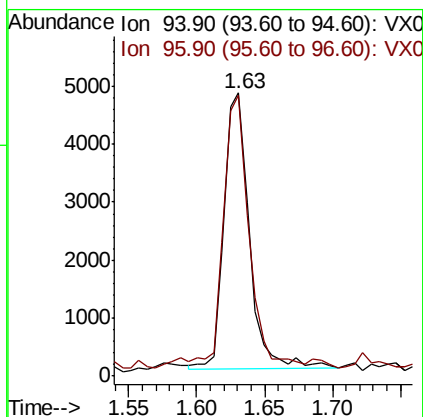
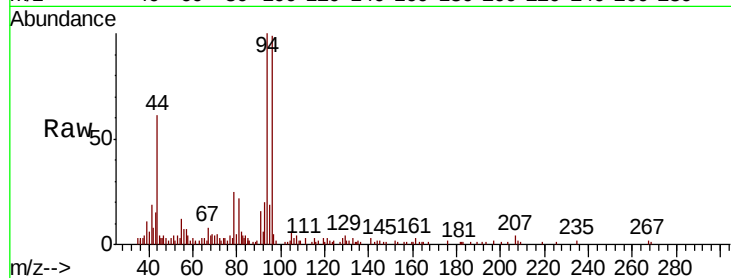
MDL

Tgt Ion: 94 Resp: 6179

Ion Ratio Lower Upper

94 100

96 99.0 75.0 112.6



#6

Chloroethane

Concen: 3.022 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX011905.D

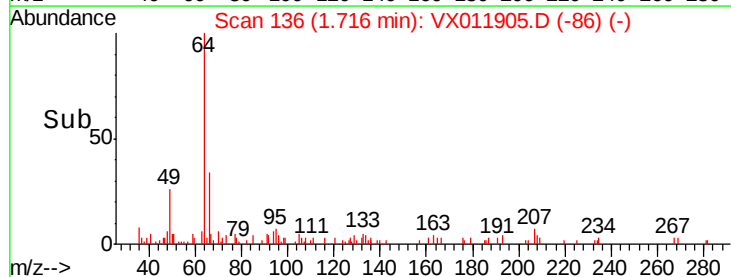
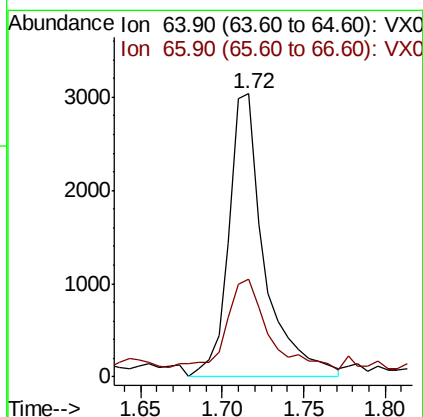
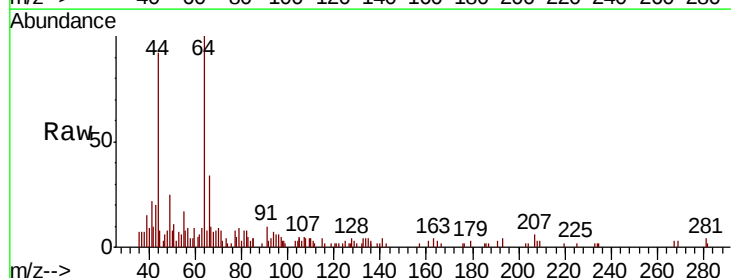
Acq: 30 Aug 2019 13:12

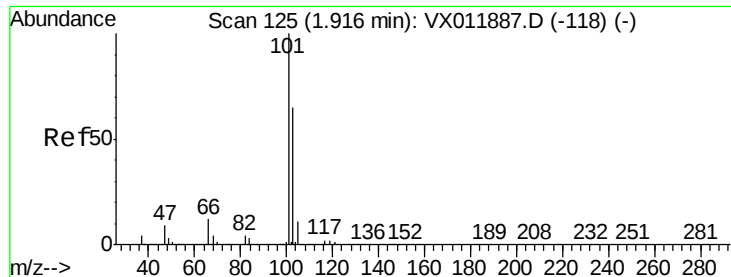
Tgt Ion: 64 Resp: 4600

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4





#7

Trichlorofluoromethane

Concen: 3.116 ug/l

RT: 1.92 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

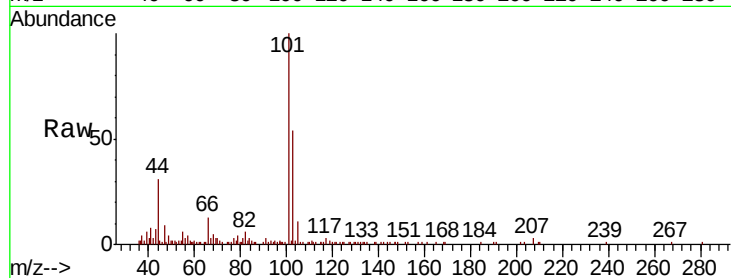
MDL

Tgt Ion:101 Resp: 13238

Ion Ratio Lower Upper

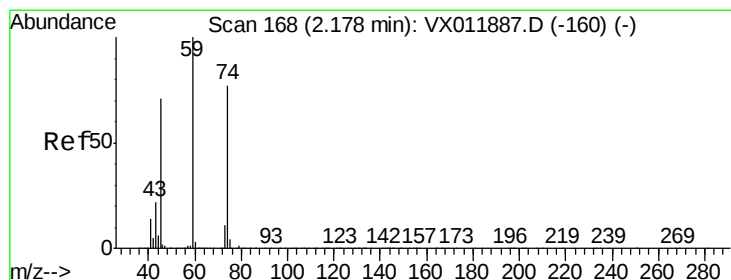
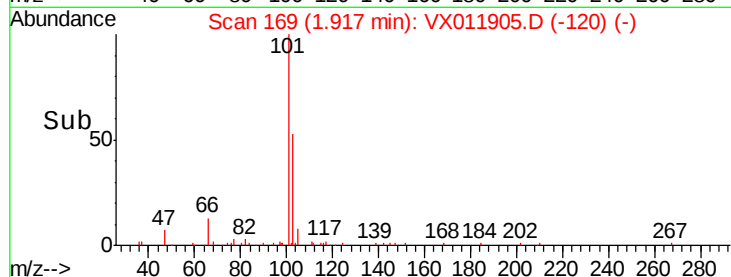
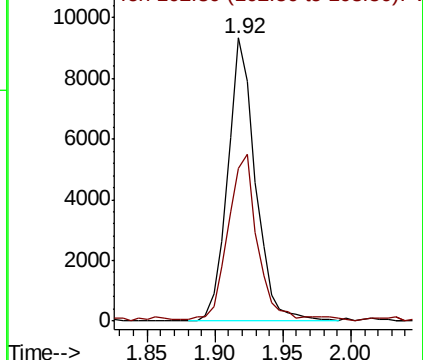
101 100

103 53.5 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 3.149 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011905.D

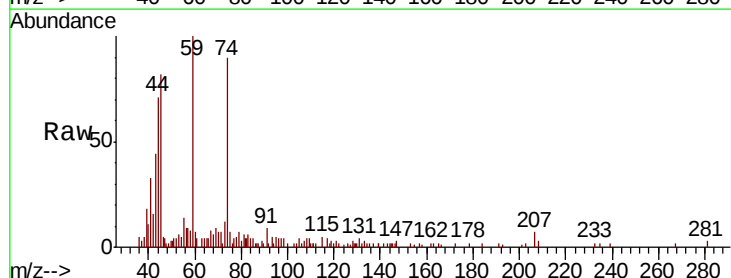
Acq: 30 Aug 2019 13:12

Tgt Ion: 74 Resp: 4598

Ion Ratio Lower Upper

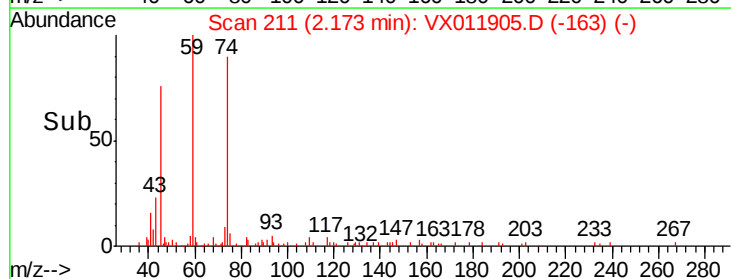
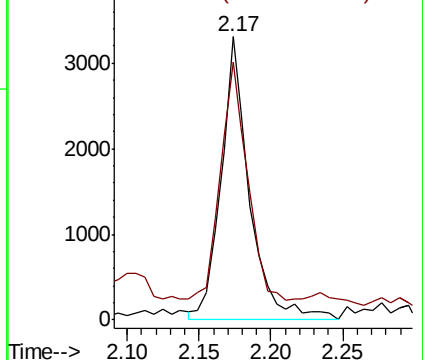
74 100

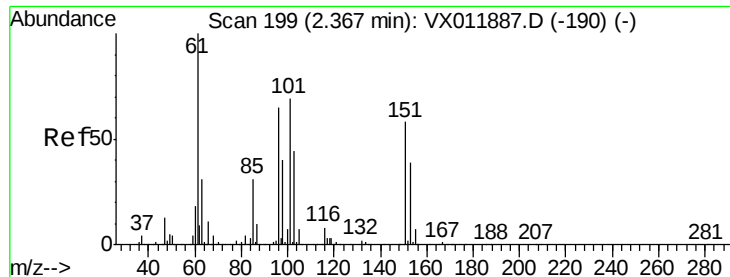
45 86.6 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.228 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

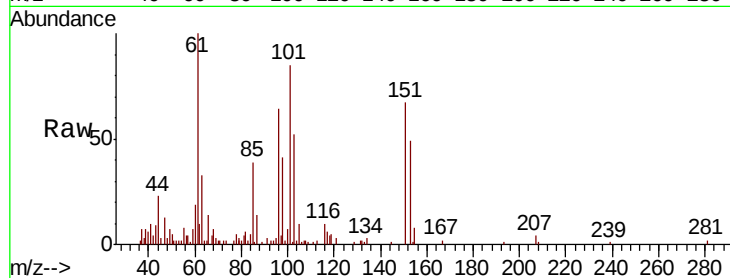
Instrument :

MSVOA_X

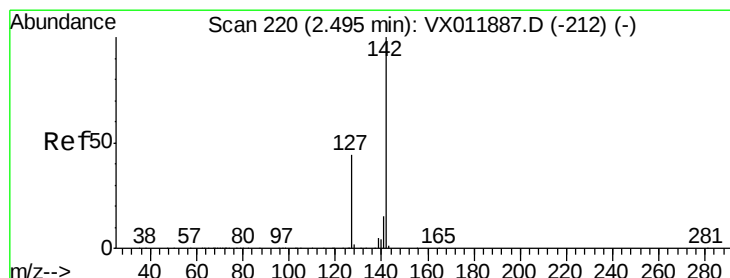
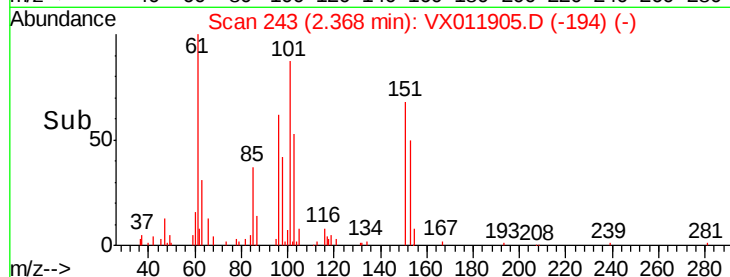
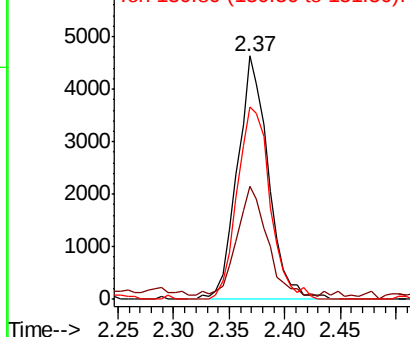
ClientSampleId :

MDL

Tgt Ion:	101	Resp:	8937
Ion	Ratio	Lower	Upper
101	100		
85	44.3	34.9	52.3
151	83.7	70.9	106.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.716 ug/l

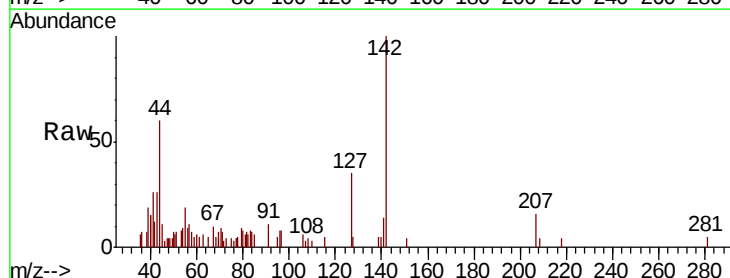
RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

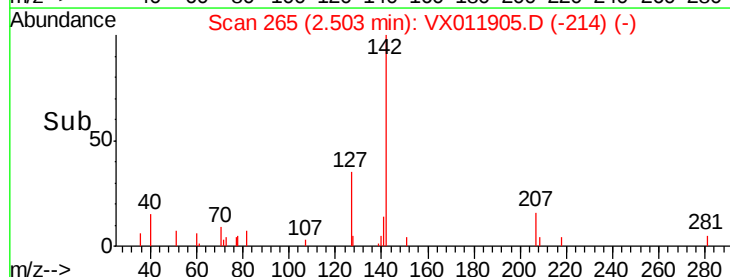
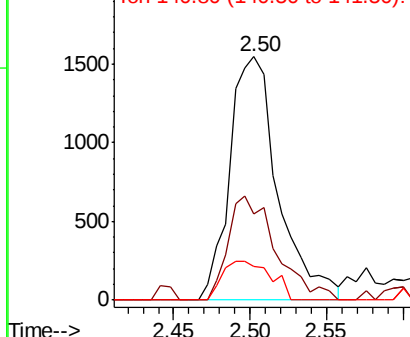
Lab File: VX011905.D

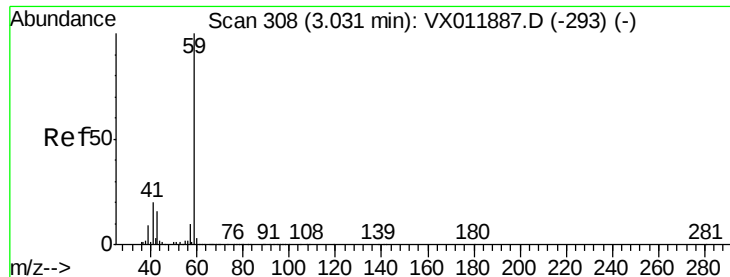
Acq: 30 Aug 2019 13:12

Tgt Ion:	142	Resp:	3392
Ion	Ratio	Lower	Upper
142	100		
127	42.3	35.7	53.5
141	16.0	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

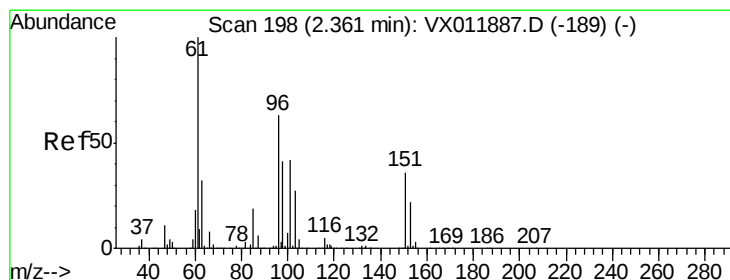
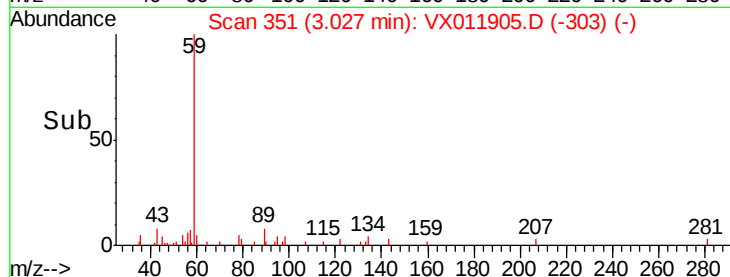
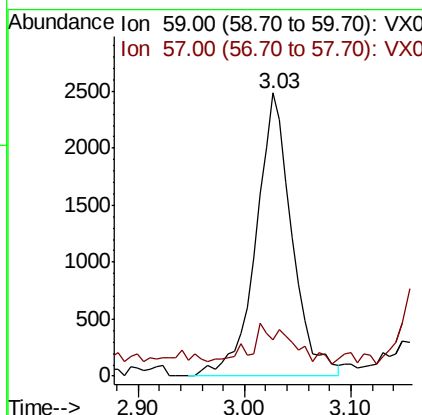
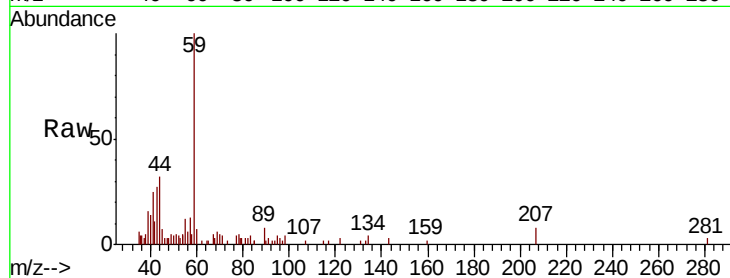




#11
Tert butyl alcohol
Concen: 17.414 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

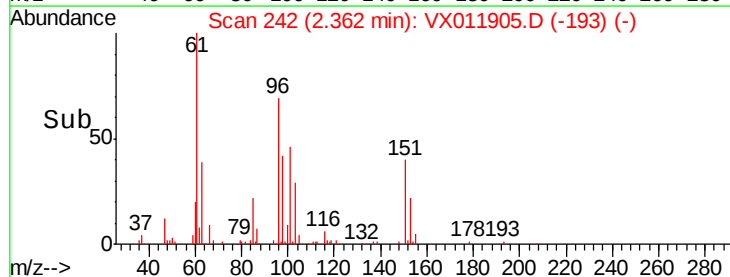
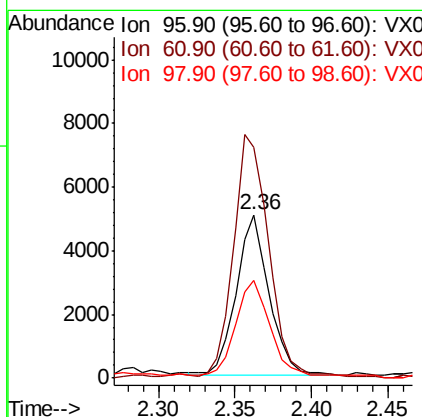
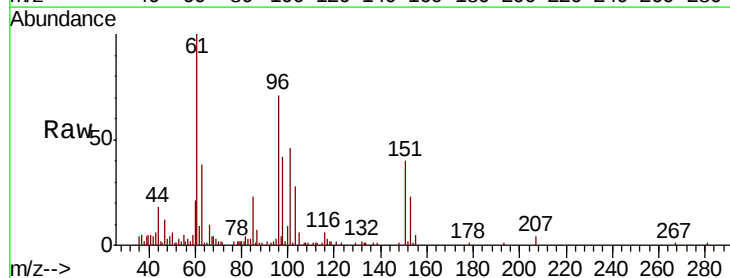
Instrument :
MSVOA_X
ClientSampled :
MDL

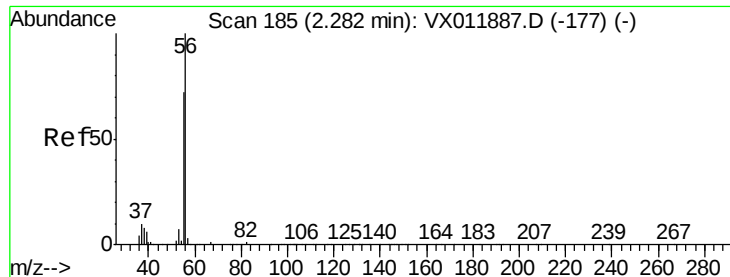
Tgt Ion: 59 Resp: 5877
Ion Ratio Lower Upper
59 100
57 7.3 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 2.956 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion: 96 Resp: 7601
Ion Ratio Lower Upper
96 100
61 142.1 126.6 190.0
98 59.0 51.6 77.4





#13

Acrolein

Concen: 12.877 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

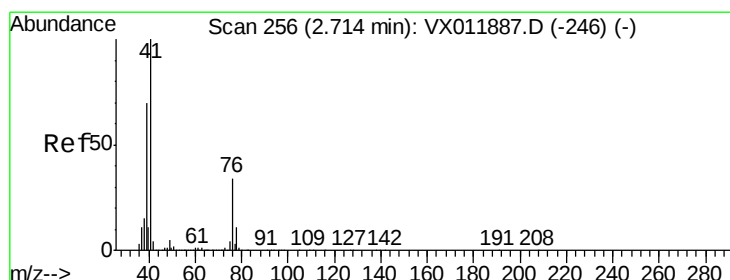
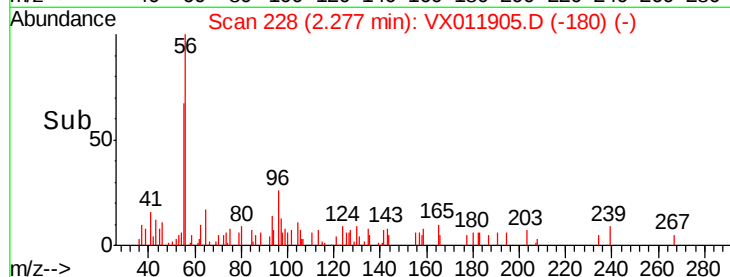
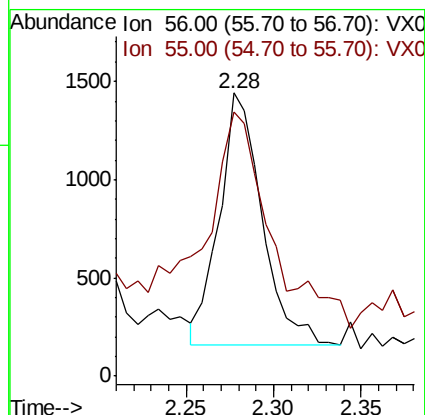
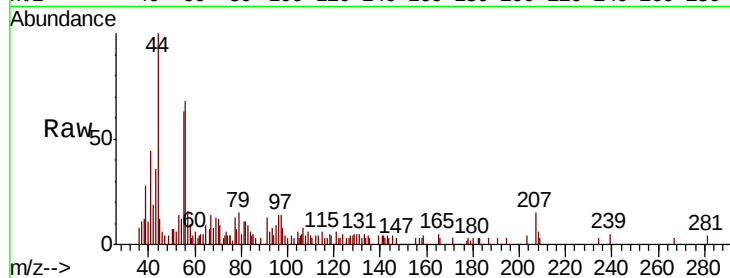
MDL

Tgt Ion: 56 Resp: 2163

Ion Ratio Lower Upper

56 100

55 135.8 58.6 88.0#



#14

Allyl chloride

Concen: 2.730 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

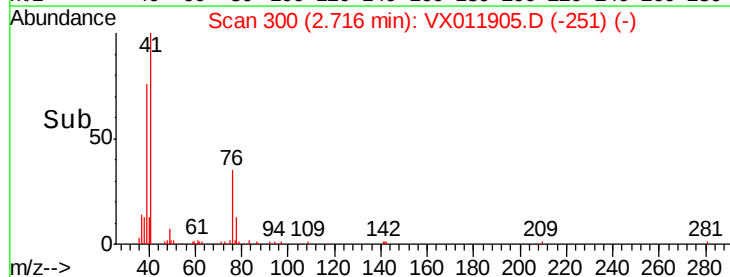
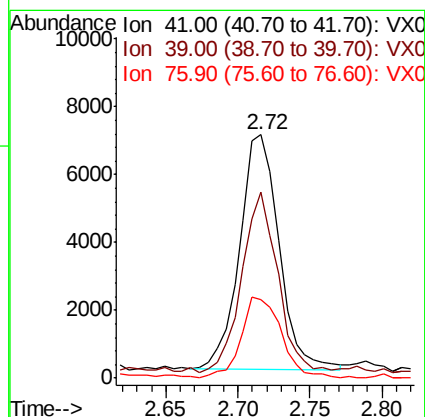
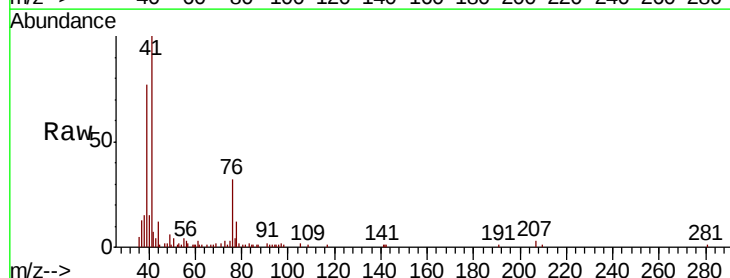
Tgt Ion: 41 Resp: 13170

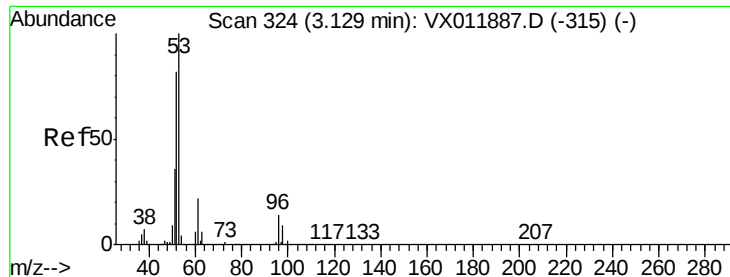
Ion Ratio Lower Upper

41 100

39 69.2 55.0 82.6

76 35.1 27.0 40.4





#15

Acrylonitrile

Concen: 14.359 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

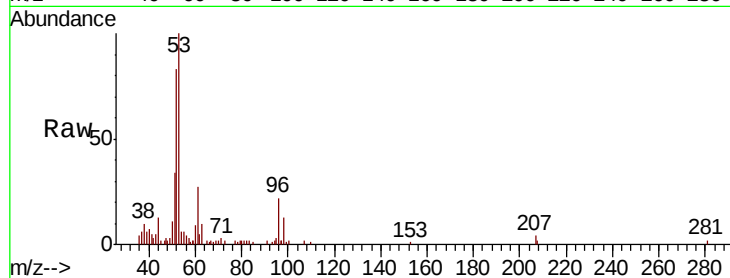
Tgt Ion: 53 Resp: 11515

Ion Ratio Lower Upper

53 100

52 83.5 65.3 97.9

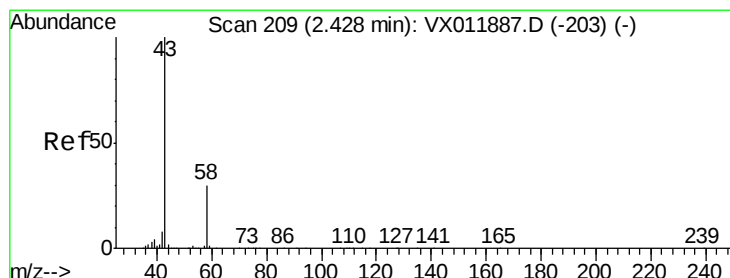
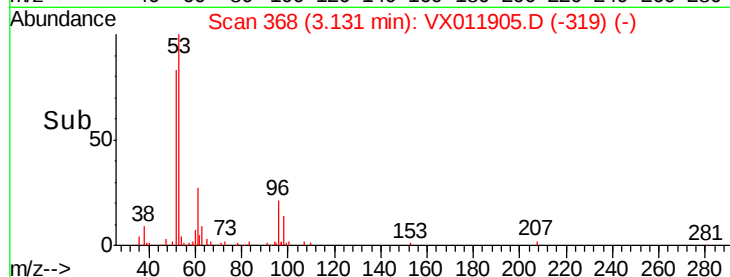
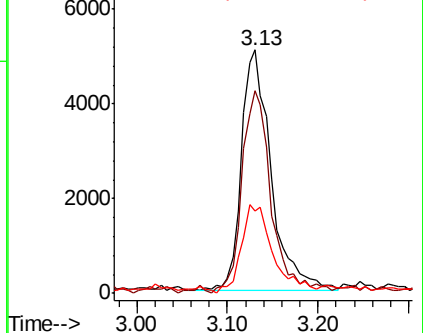
51 39.5 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 17.065 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011905.D

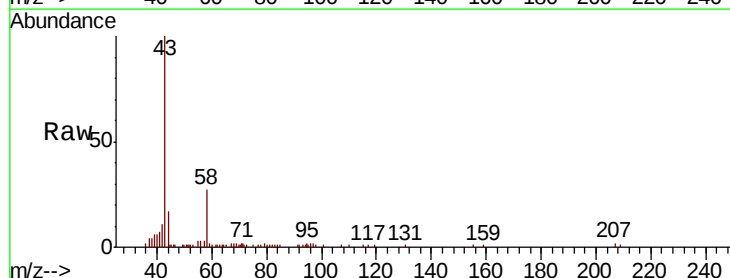
Acq: 30 Aug 2019 13:12

Tgt Ion: 43 Resp: 12880

Ion Ratio Lower Upper

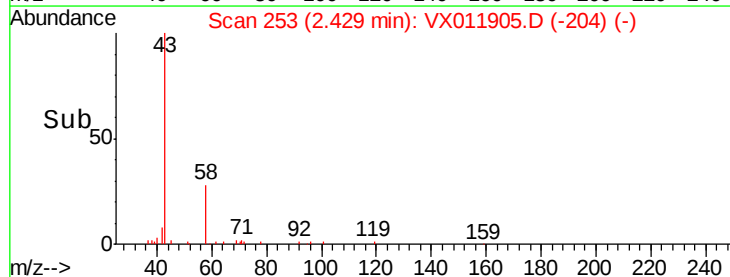
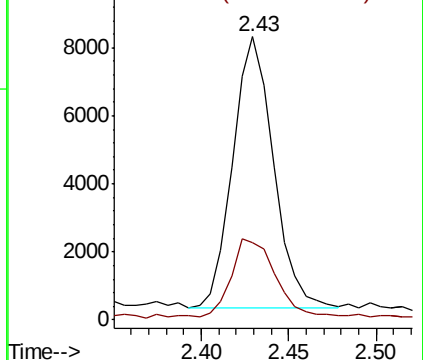
43 100

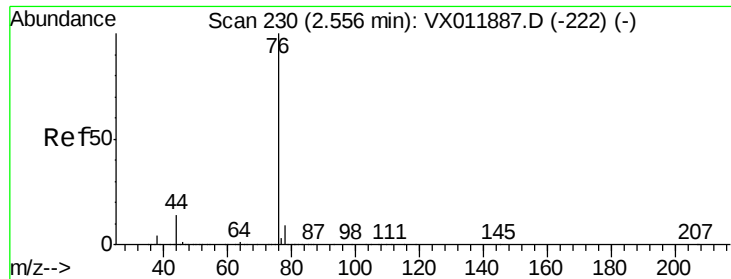
58 27.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

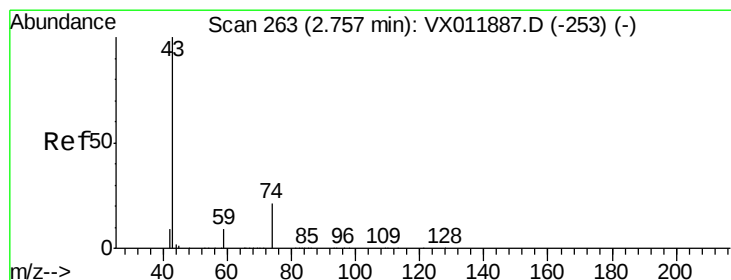
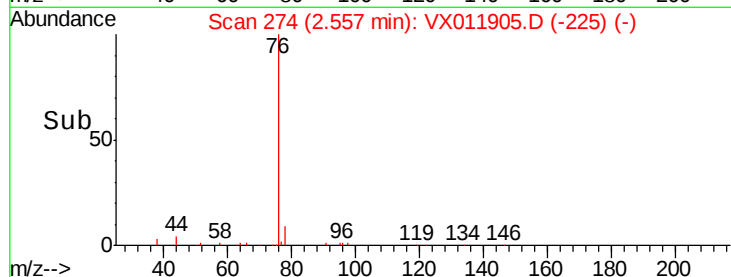
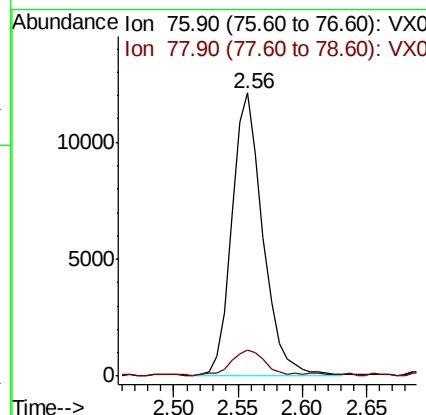
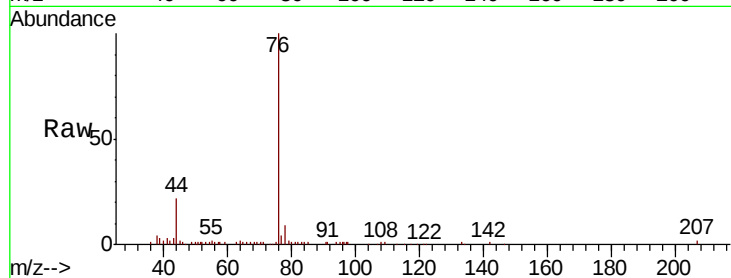




#17
Carbon Disulfide
Concen: 2.775 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

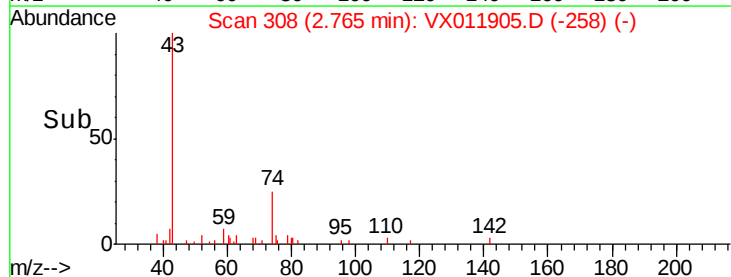
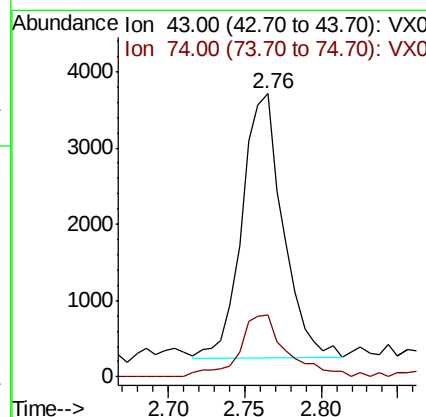
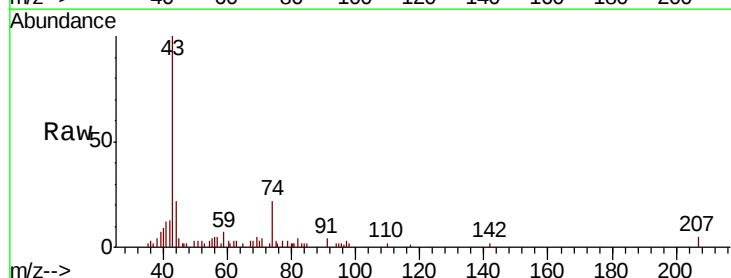
Instrument :
MSVOA_X
ClientSampled :
MDL

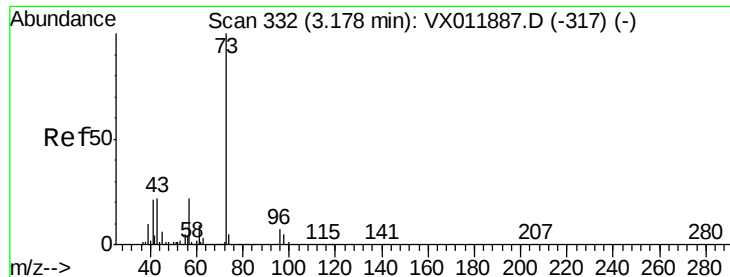
Tgt Ion: 76 Resp: 20470
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 3.060 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion: 43 Resp: 6394
Ion Ratio Lower Upper
43 100
74 27.4 18.4 27.6



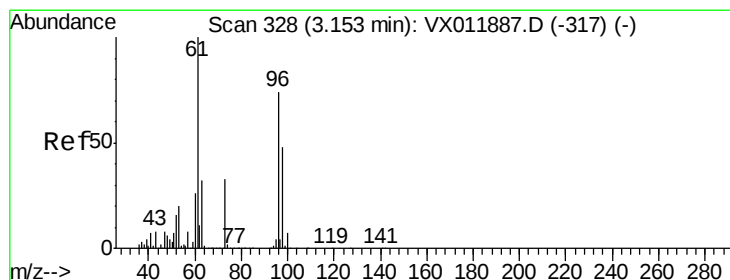
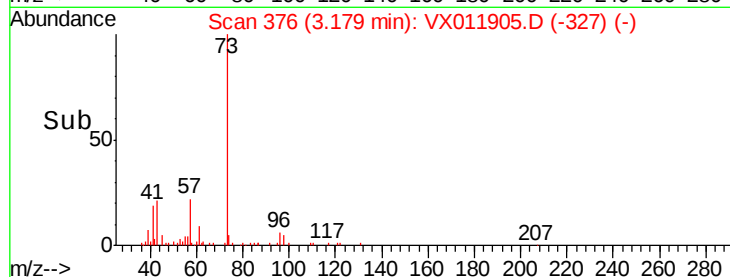
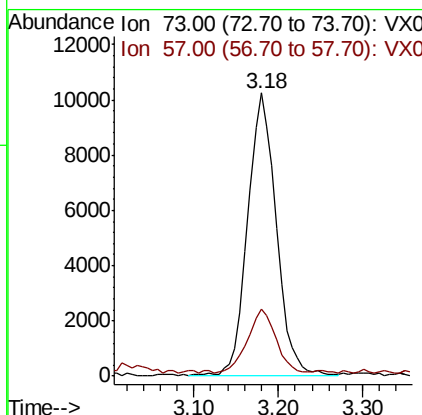
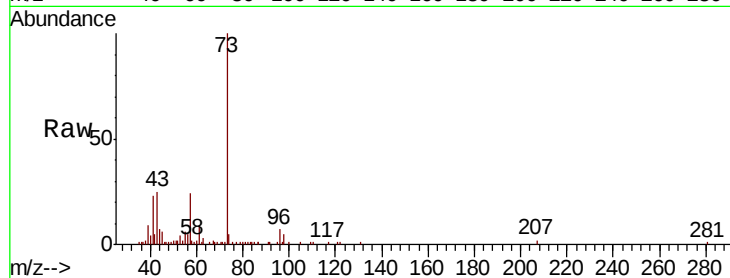


#19

Methyl tert-butyl Ether
 Concen: 2.849 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL

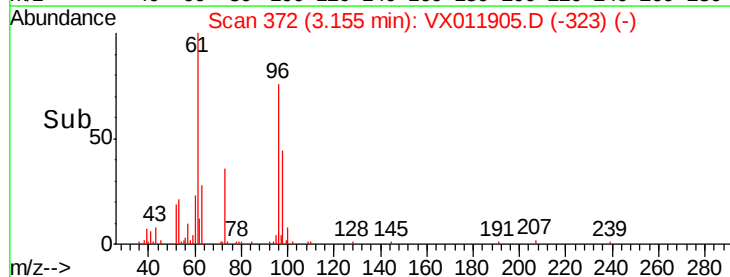
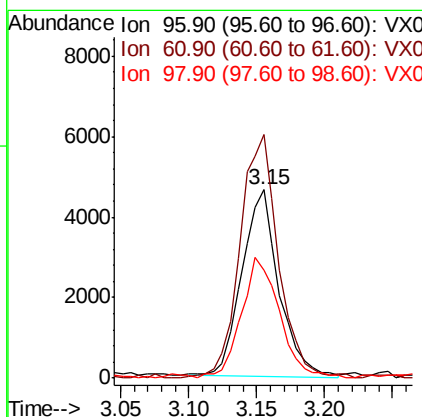
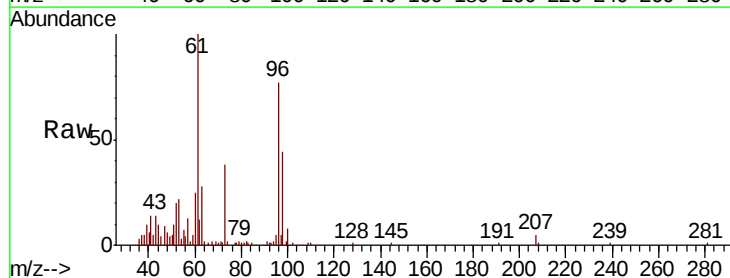
Tgt Ion: 73 Resp: 23735
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.4 26.0

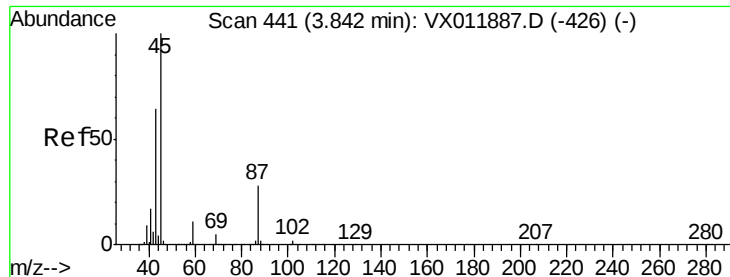


#21

trans-1,2-Dichloroethene
 Concen: 2.898 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

Tgt Ion: 96 Resp: 8777
 Ion Ratio Lower Upper
 96 100
 61 130.4 107.4 161.2
 98 57.0 51.4 77.2





#22

Diisopropyl ether

Concen: 2.766 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

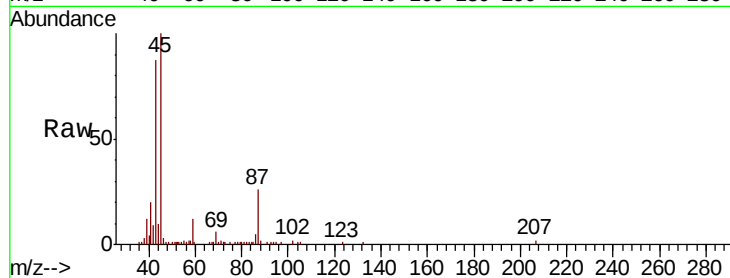
Instrument :

MSVOA_X

ClientSampleId :

MDL

Tgt Ion:	45	Resp:	27242
Ion	Ratio	Lower	Upper
45	100		
43	82.1	51.0	76.6#
87	25.8	22.0	33.0
59	12.0	9.1	13.7

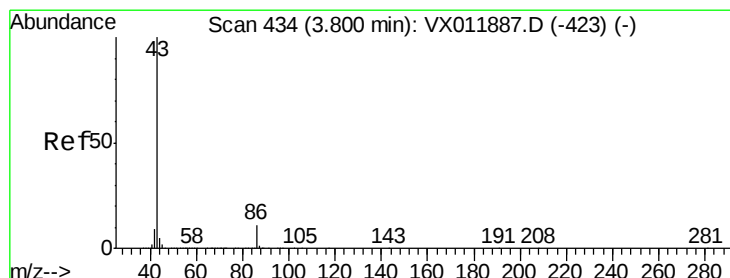
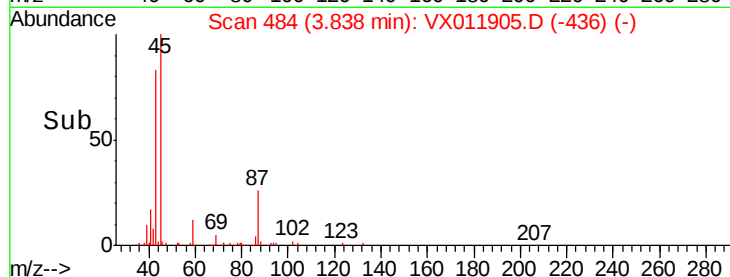
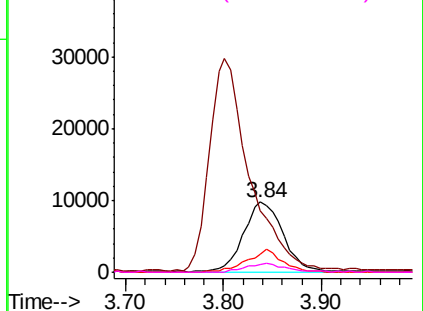


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 13.327 ug/l

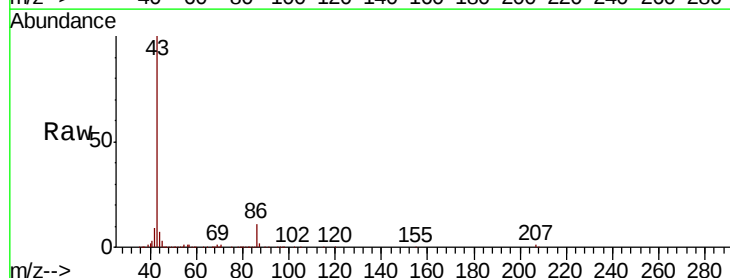
RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX011905.D

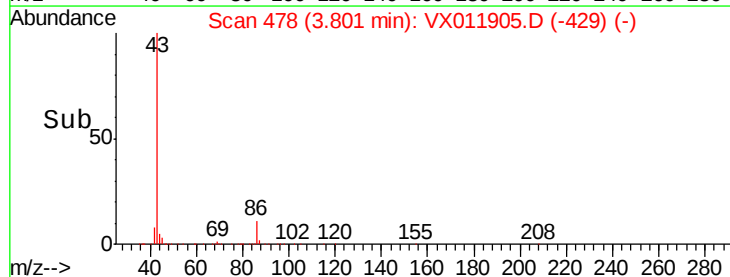
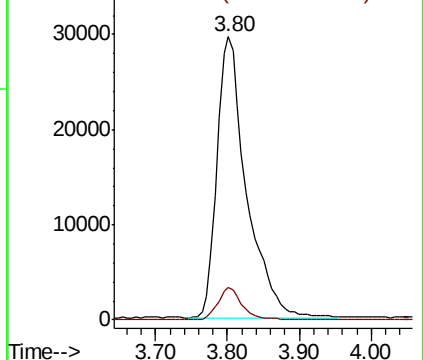
Acq: 30 Aug 2019 13:12

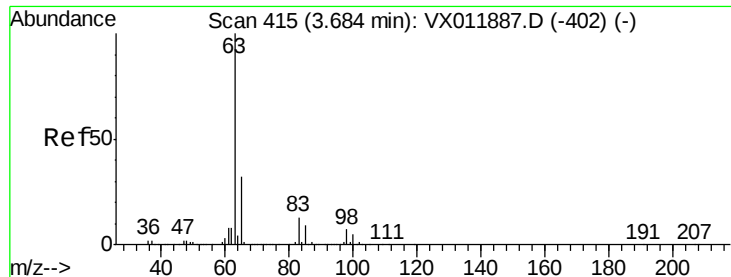
Tgt Ion:	43	Resp:	84379
Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.6	12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#24

1,1-Dichloroethane

Concen: 2.822 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

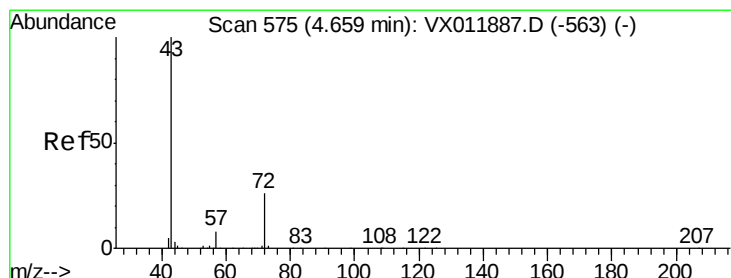
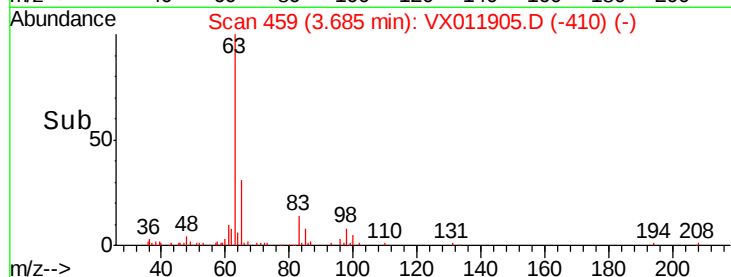
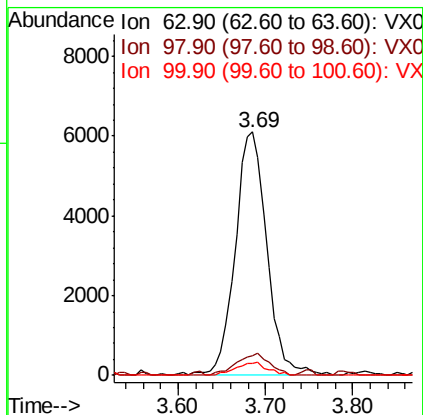
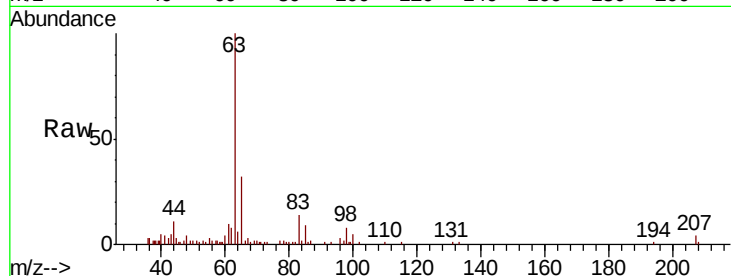
Tgt Ion: 63 Resp: 15327

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

100 4.9 2.4 7.2



#25

2-Butanone

Concen: 13.915 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX011905.D

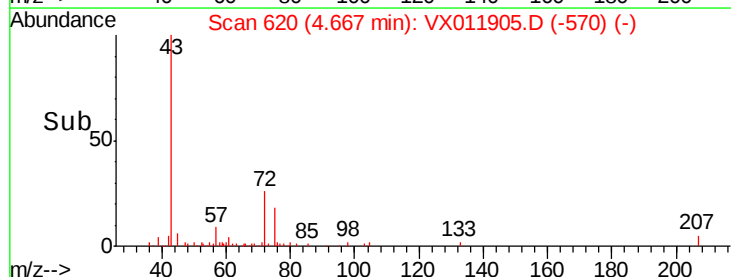
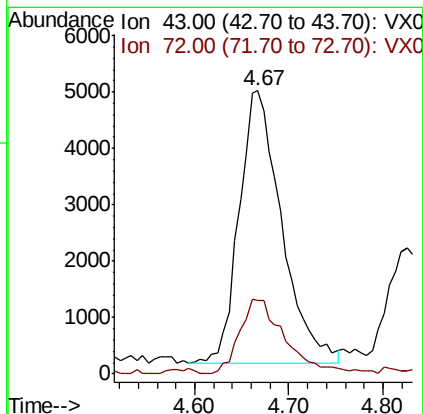
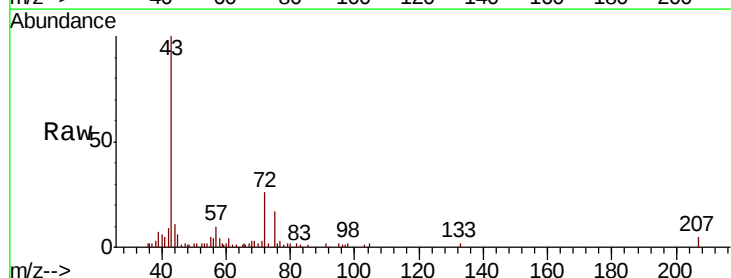
Acq: 30 Aug 2019 13:12

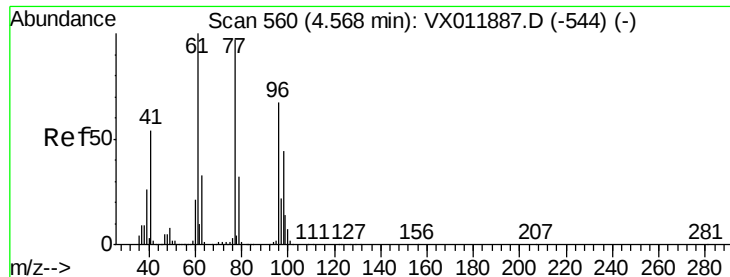
Tgt Ion: 43 Resp: 15296

Ion Ratio Lower Upper

43 100

72 24.8 21.0 31.4





#26

2,2-Dichloropropane

Concen: 2.950 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

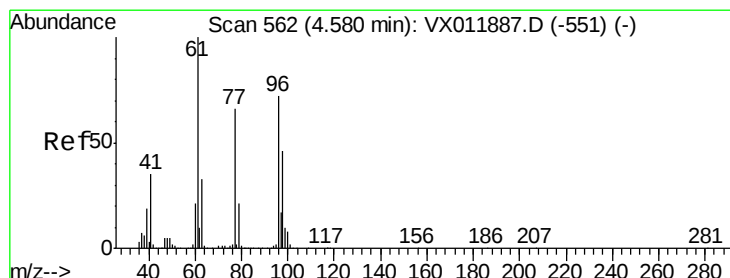
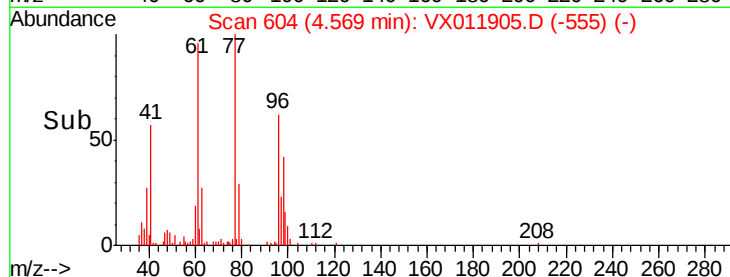
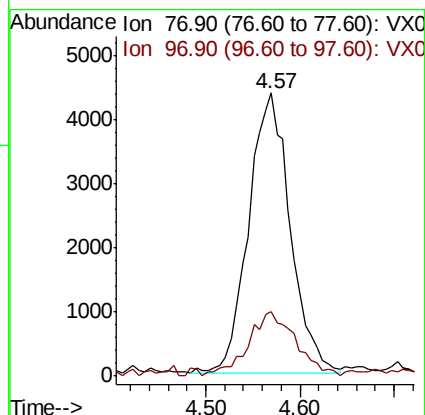
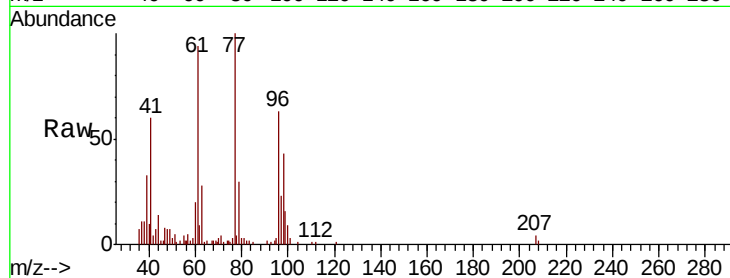
MDL

Tgt Ion: 77 Resp: 13434

Ion Ratio Lower Upper

77 100

97 26.3 11.7 35.1



#27

cis-1,2-Dichloroethene

Concen: 2.980 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

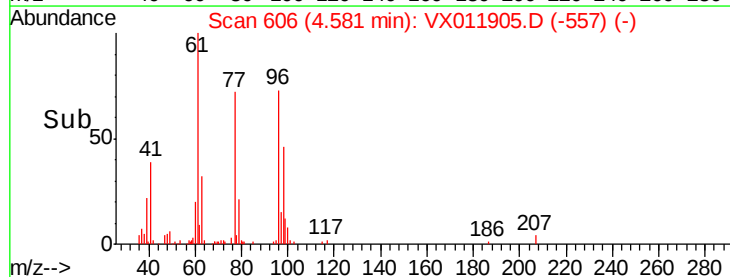
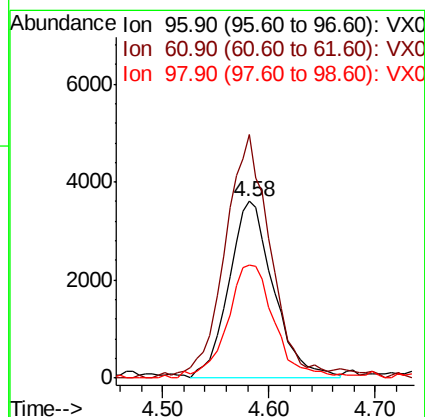
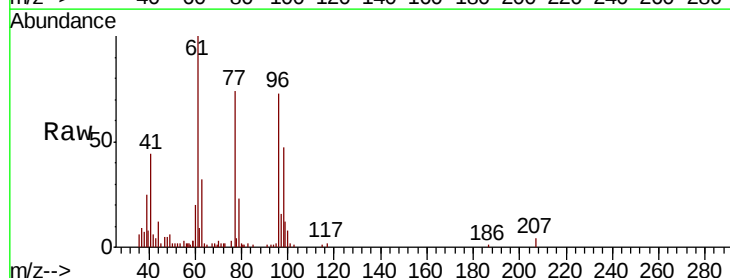
Tgt Ion: 96 Resp: 10634

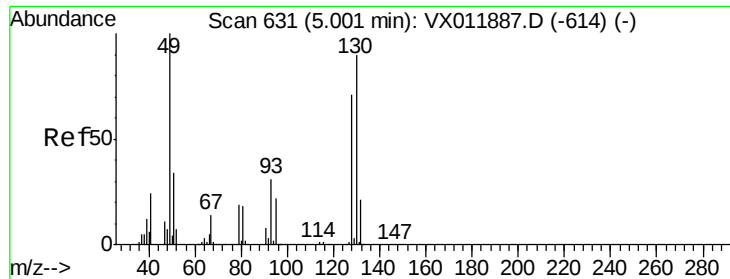
Ion Ratio Lower Upper

96 100

61 139.1 0.0 283.8

98 67.7 0.0 131.2

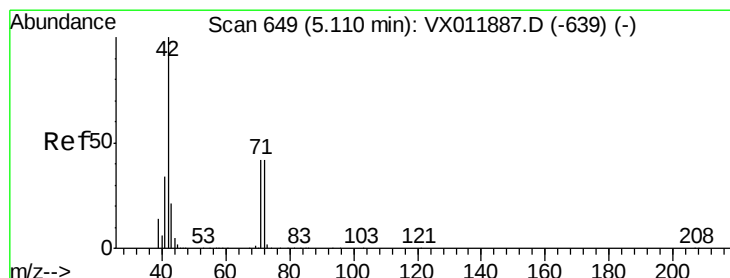
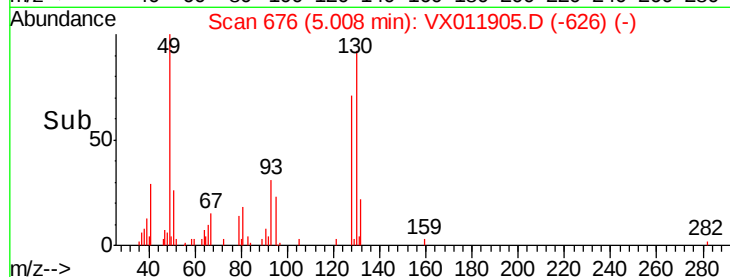
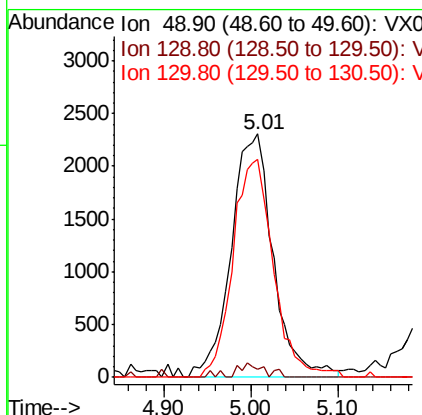
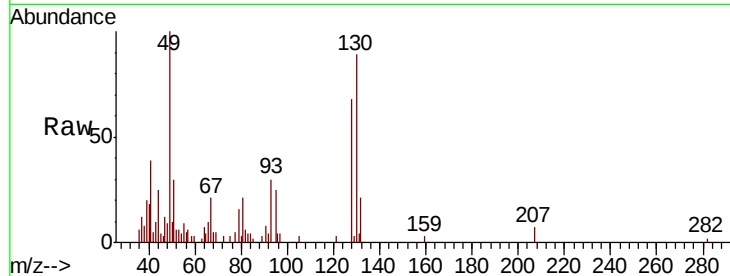




#28
Bromochloromethane
Concen: 3.162 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

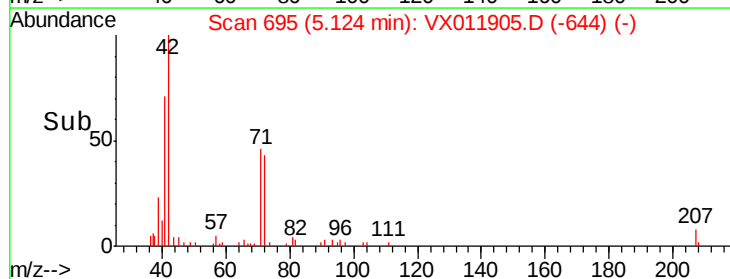
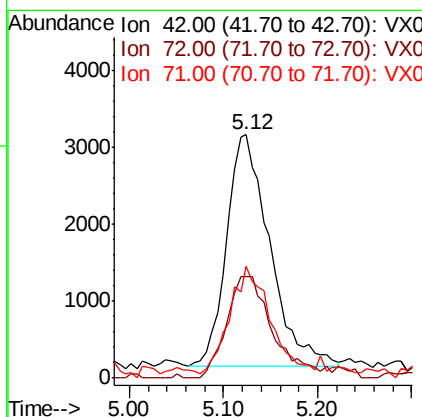
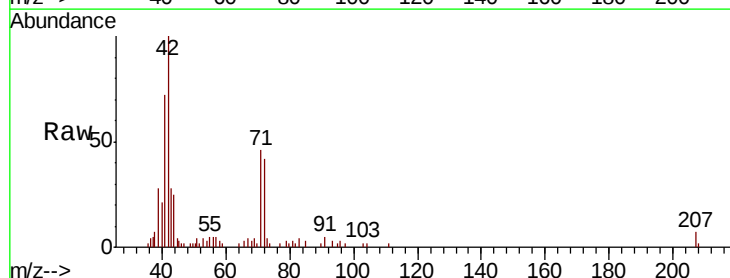
Instrument :
MSVOA_X
ClientSampleId :
MDL

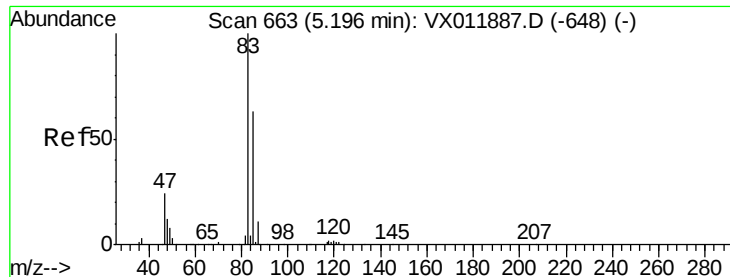
Tgt Ion: 49 Resp: 7705
Ion Ratio Lower Upper
49 100
129 2.8 0.0 4.8
130 86.3 70.6 105.8



#29
Tetrahydrofuran
Concen: 14.000 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion: 42 Resp: 9606
Ion Ratio Lower Upper
42 100
72 46.7 36.2 54.4
71 43.2 33.1 49.7

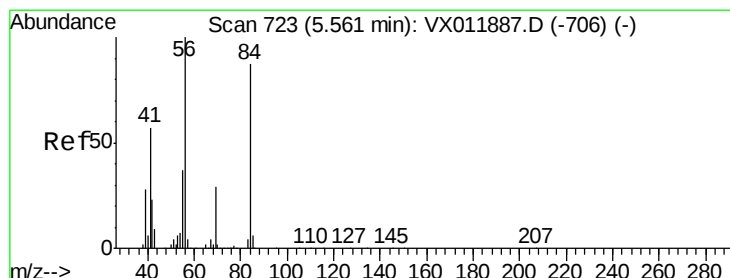
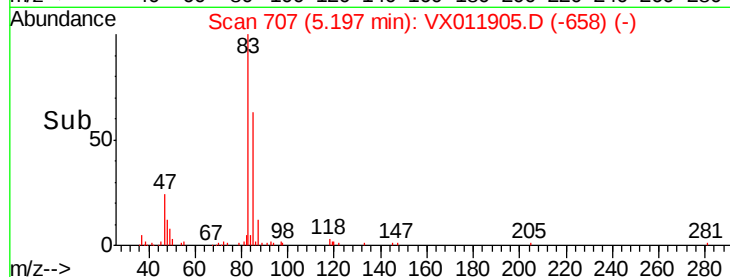
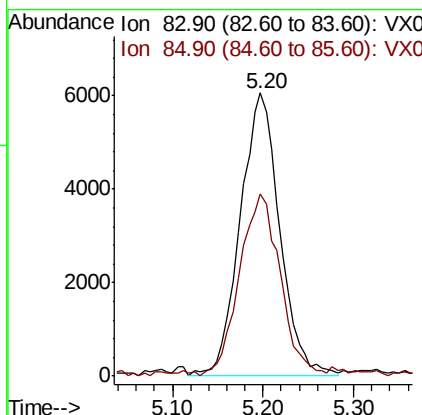
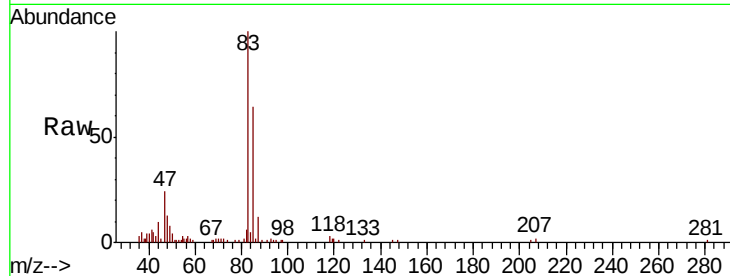




#30
Chloroform
Concen: 3.163 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

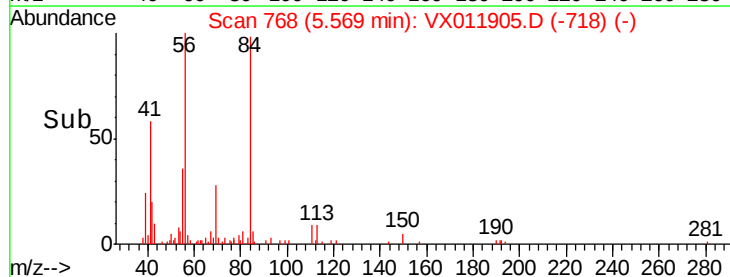
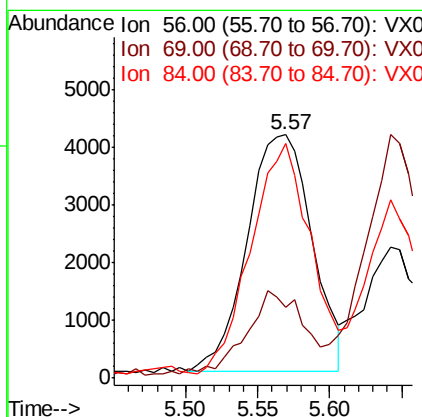
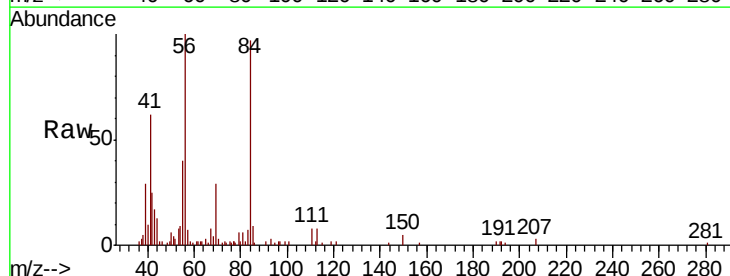
Instrument :
MSVOA_X
ClientSampleId :
MDL

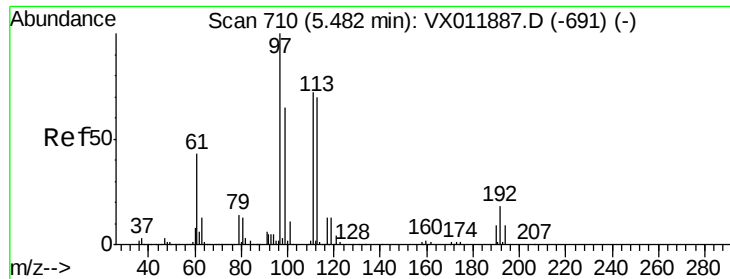
Tgt Ion: 83 Resp: 18367
Ion Ratio Lower Upper
83 100
85 63.2 50.6 75.8



#31
Cyclohexane
Concen: 2.939 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.01 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion: 56 Resp: 12874
Ion Ratio Lower Upper
56 100
69 25.9 23.1 34.7
84 97.1 69.6 104.4





#32

1,1,1-Trichloroethane

Concen: 2.901 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampled :

MDL

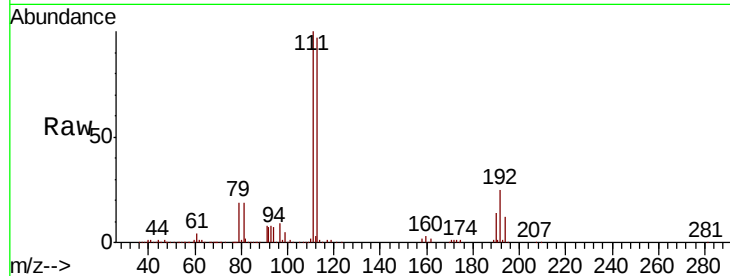
Tgt Ion: 97 Resp: 14964

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.8

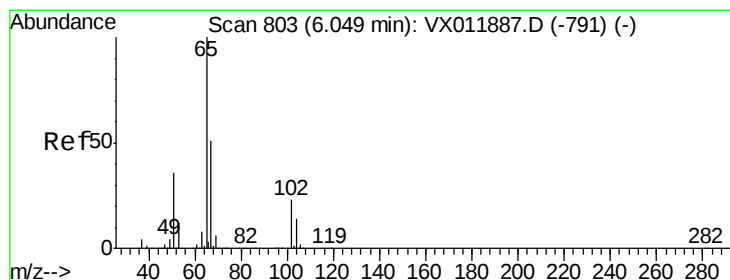
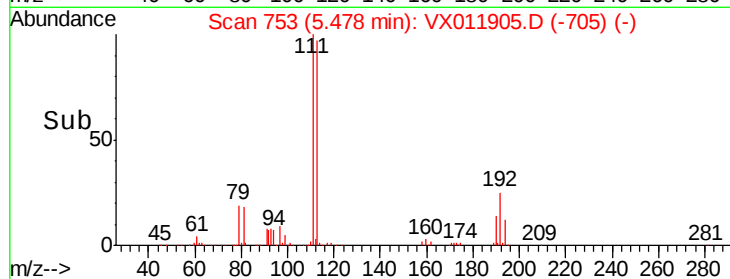
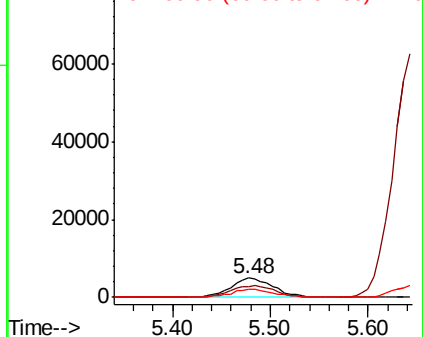
61 44.3 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.494 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011905.D

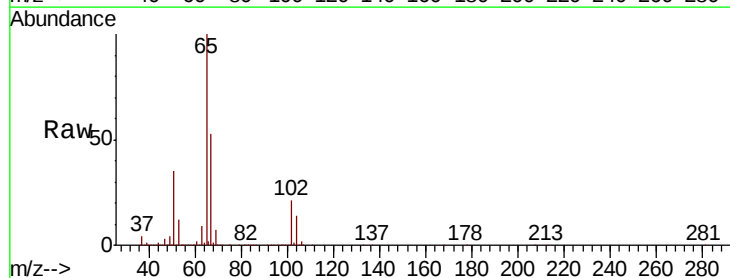
Acq: 30 Aug 2019 13:12

Tgt Ion: 65 Resp: 177127

Ion Ratio Lower Upper

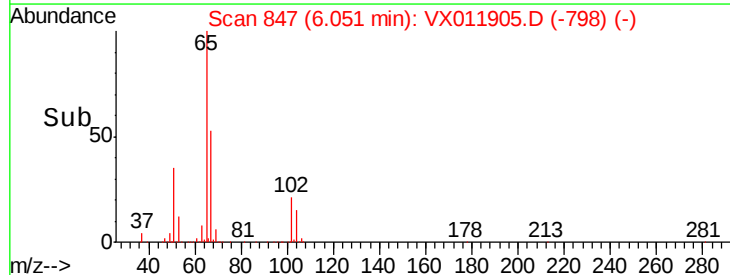
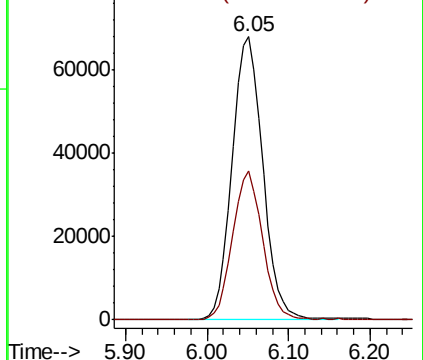
65 100

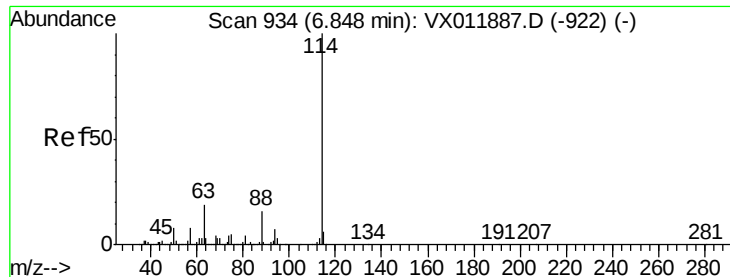
67 51.4 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampled :

MDL

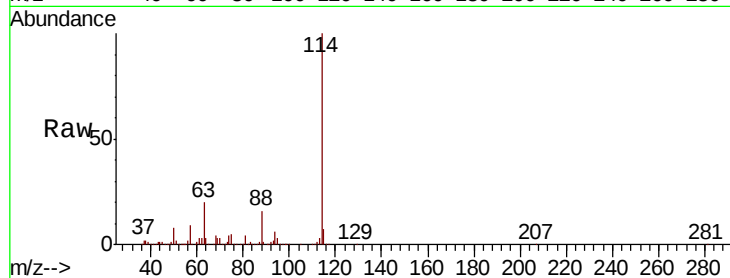
Tgt Ion:114 Resp: 499039

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

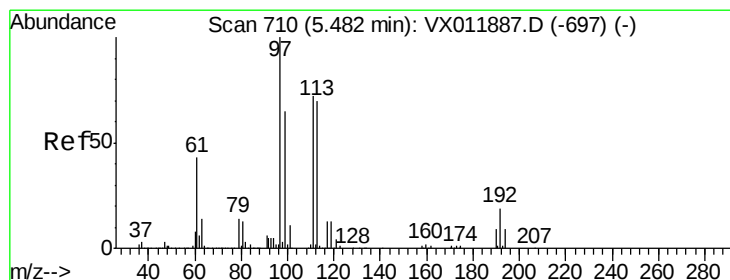
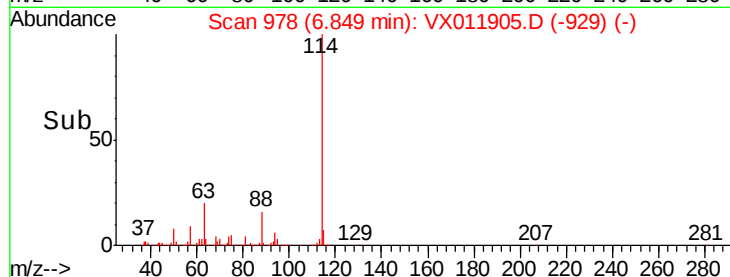
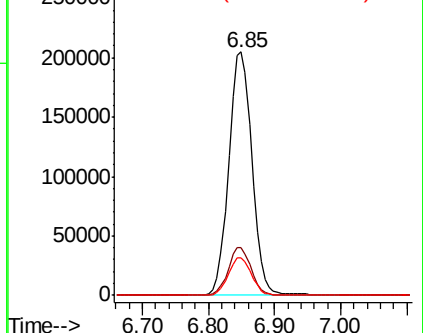
88 15.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.039 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

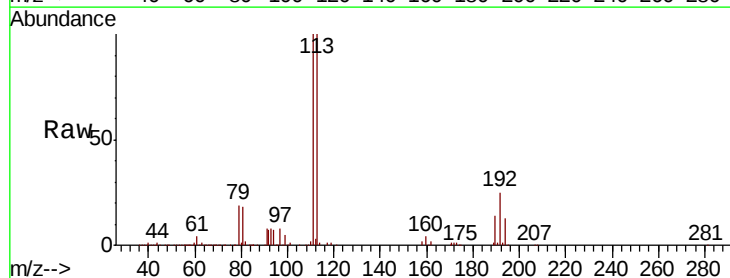
Tgt Ion:113 Resp: 163326

Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

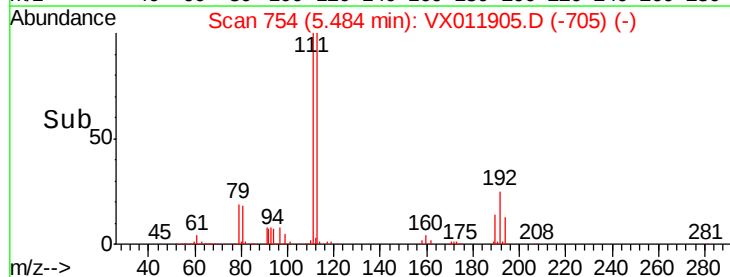
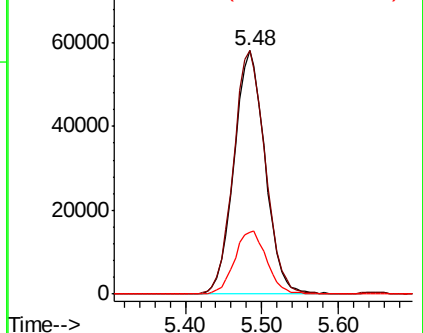
192 26.8 21.5 32.3

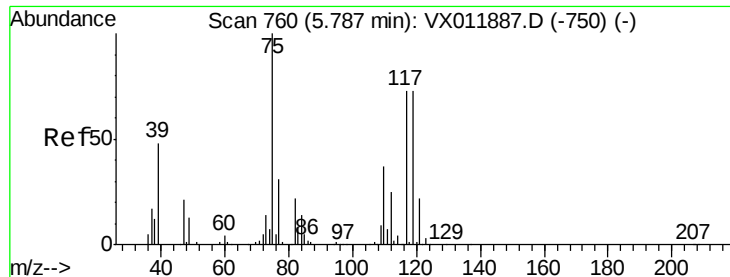


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.038 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

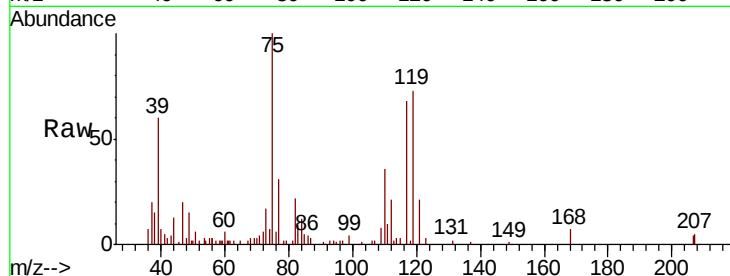
Tgt Ion: 75 Resp: 12010

Ion Ratio Lower Upper

75 100

110 39.5 19.1 57.3

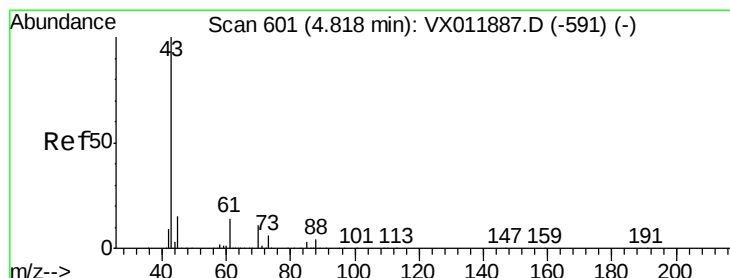
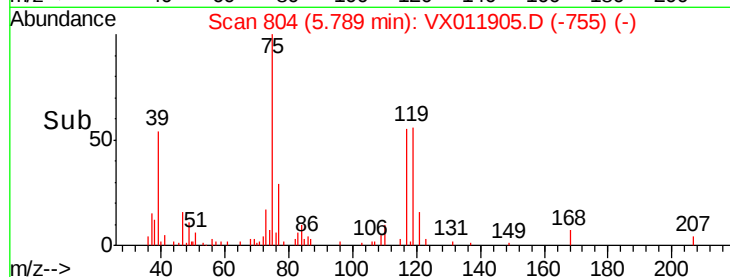
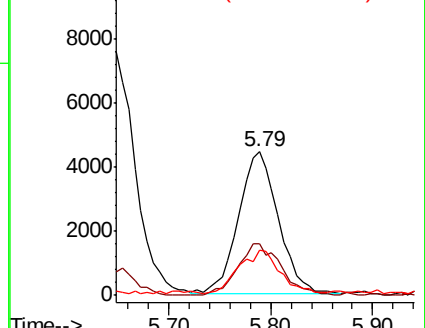
77 31.6 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 2.655 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

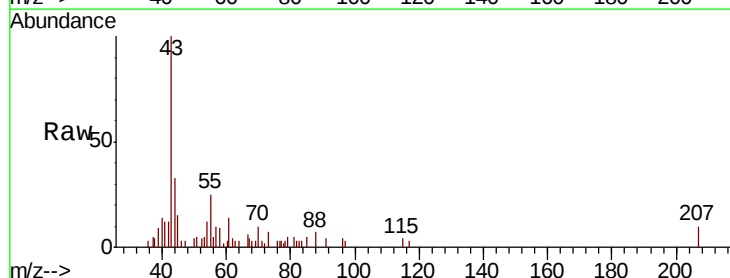
Tgt Ion: 43 Resp: 6213

Ion Ratio Lower Upper

43 100

61 18.7 11.0 16.4#

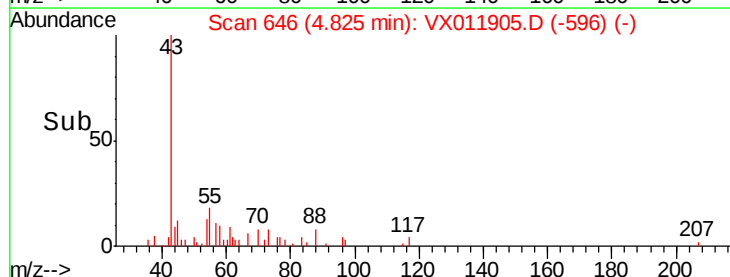
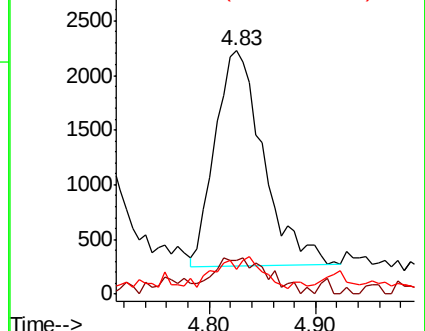
70 5.8 9.2 13.8#

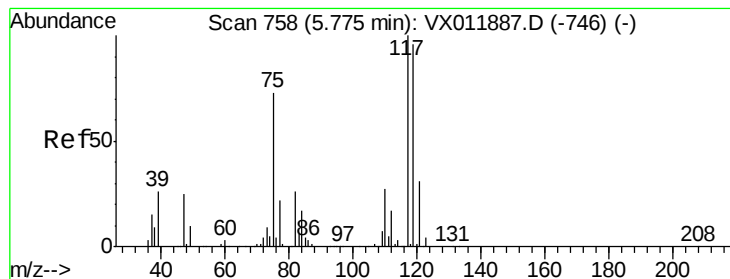


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 3.025 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

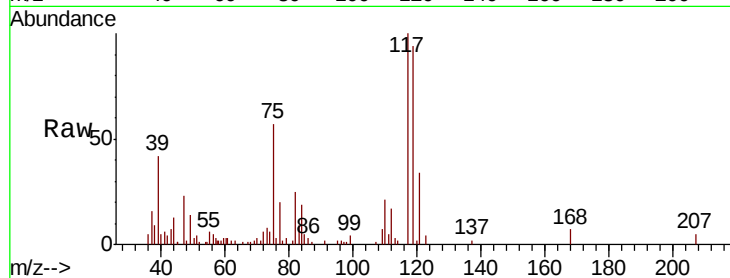
Tgt Ion:117 Resp: 13872

Ion Ratio Lower Upper

117 100

119 92.1 76.6 114.8

121 33.7 24.7 37.1

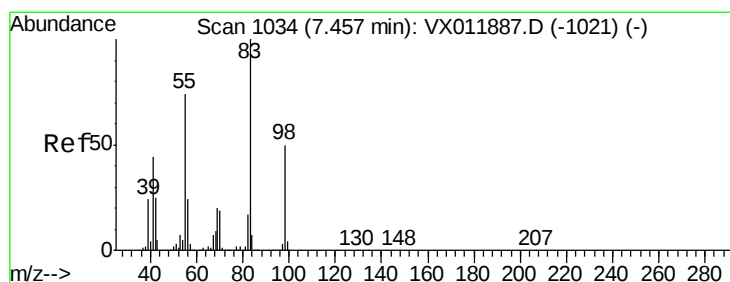
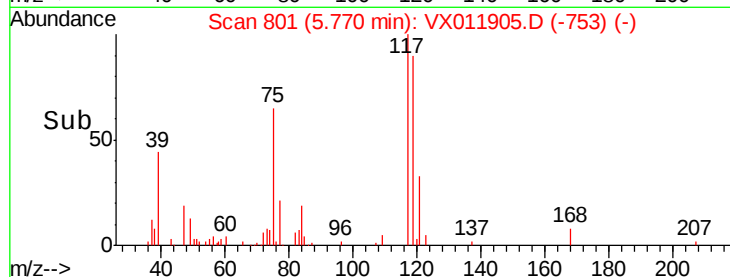
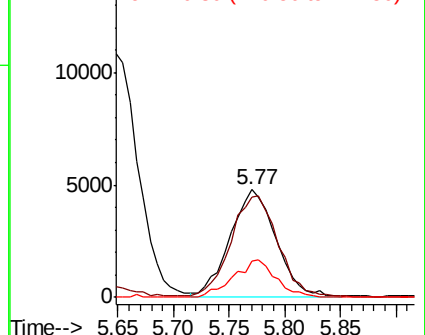


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 3.103 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

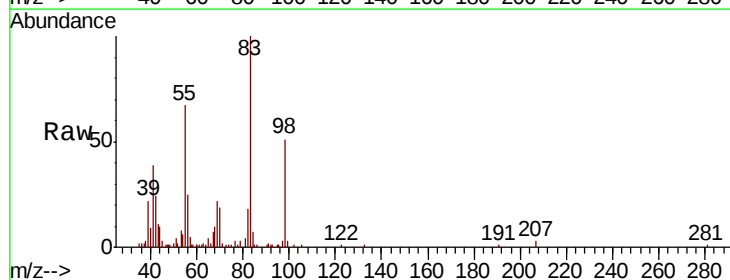
Tgt Ion: 83 Resp: 14614

Ion Ratio Lower Upper

83 100

55 65.8 59.4 89.0

98 50.4 40.3 60.5

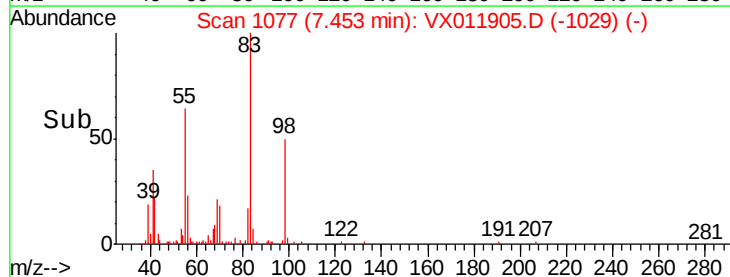
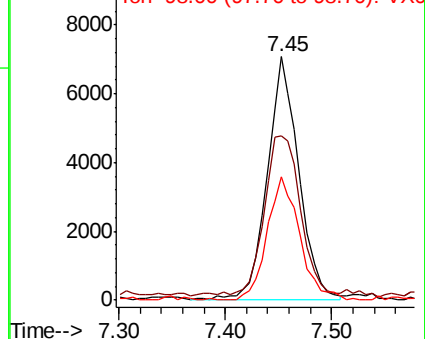


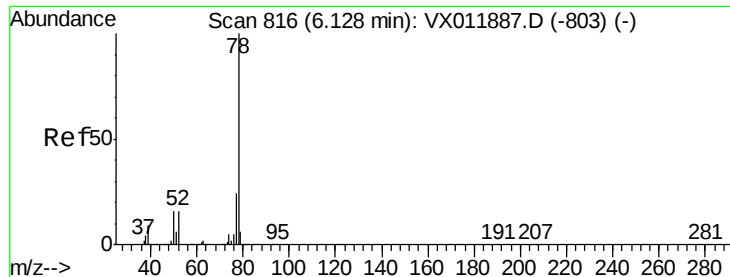
Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.926 ug/l

RT: 6.13 min Scan# 860

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

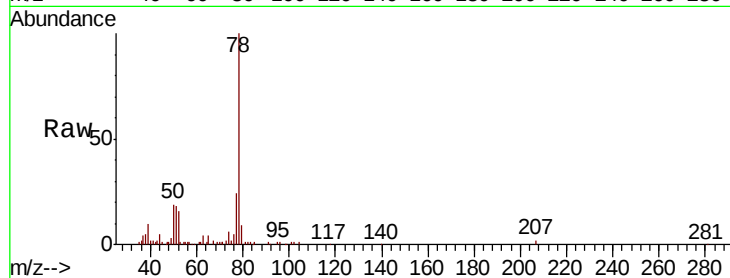
MDL

Tgt Ion: 78 Resp: 34534

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.13

15000

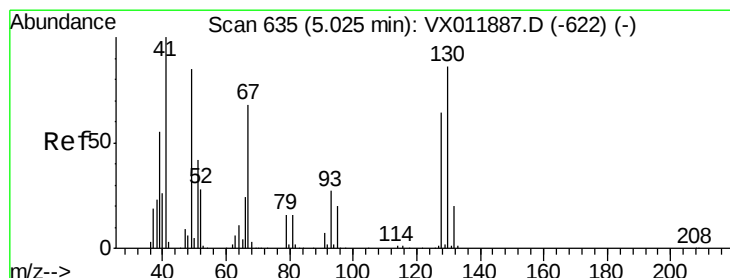
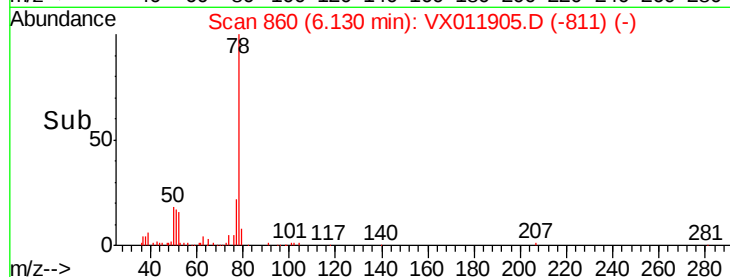
10000

5000

0

Time-->

6.00 6.10 6.20



#41

Methacrylonitrile

Concen: 3.193 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Tgt Ion: 41 Resp: 4400

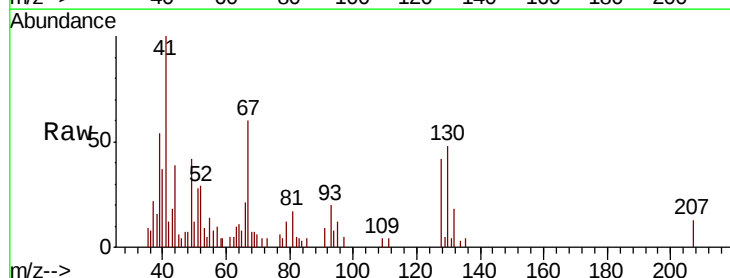
Ion Ratio Lower Upper

41 100

39 48.3 45.0 67.6

67 61.4 55.0 82.4

52 28.9 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

3000

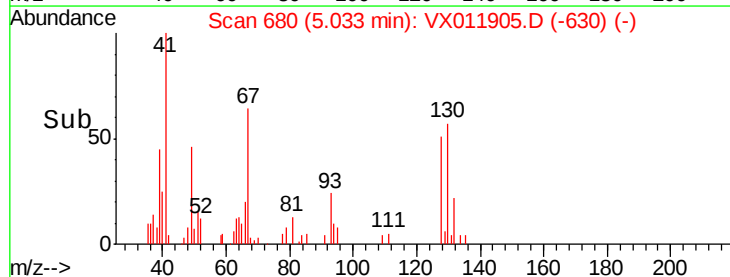
2000

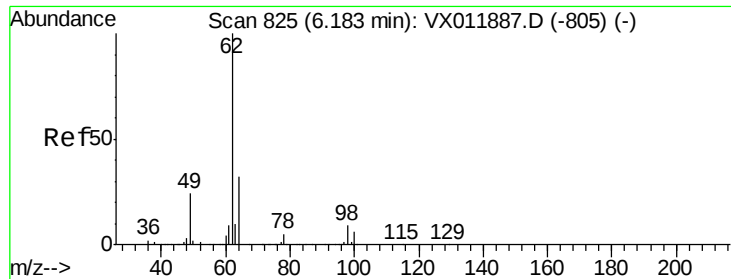
1000

0

Time-->

4.90 5.00 5.10





#42

1,2-Dichloroethane

Concen: 3.048 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

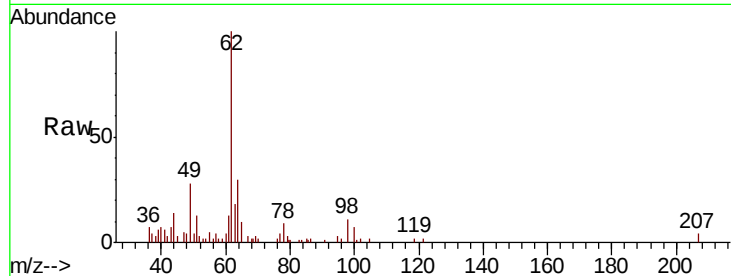
MDL

Tgt Ion: 62 Resp: 12234

Ion Ratio Lower Upper

62 100

98 13.4 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

5000

4000

3000

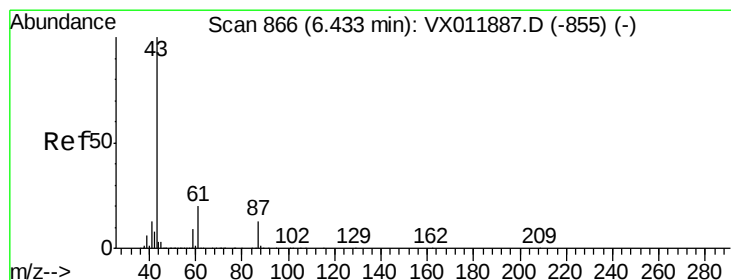
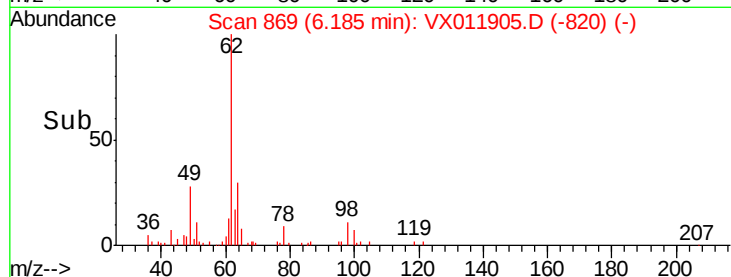
2000

1000

0

6.00 6.10 6.20 6.30

Time-->



#43

Isopropyl Acetate

Concen: 2.894 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

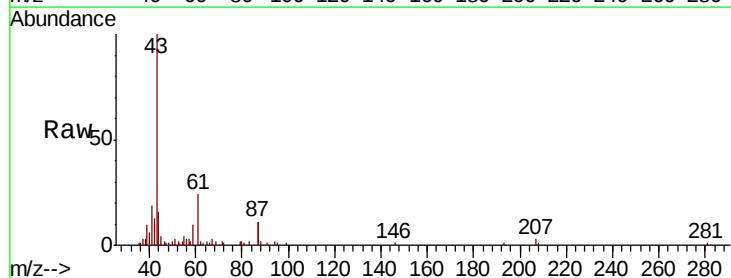
Tgt Ion: 43 Resp: 13731

Ion Ratio Lower Upper

43 100

61 22.9 16.1 24.1

87 15.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

6000

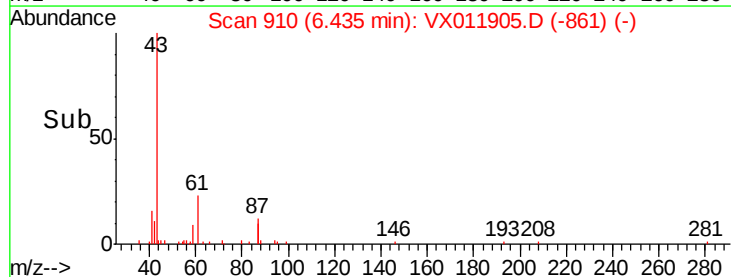
4000

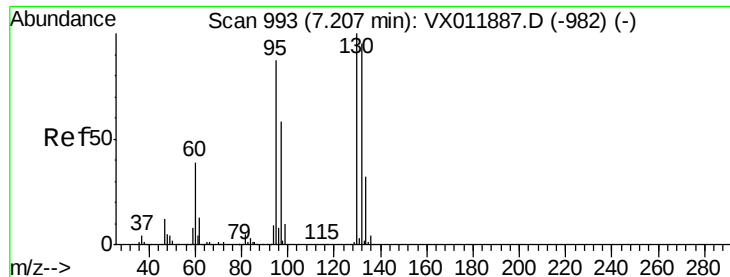
2000

0

6.40 6.50

Time-->





#44

Trichloroethene

Concen: 2.946 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

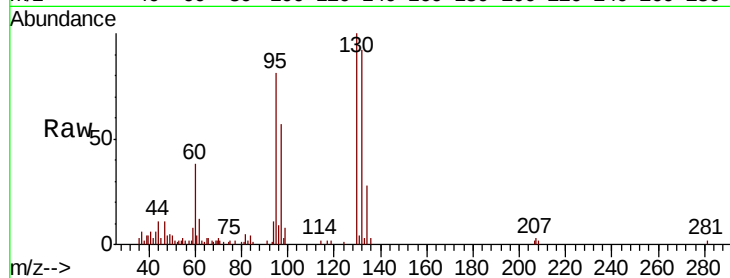
MDL

Tgt Ion:130 Resp: 10757

Ion Ratio Lower Upper

130 100

95 80.6 0.0 174.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

6000

5000

4000

3000

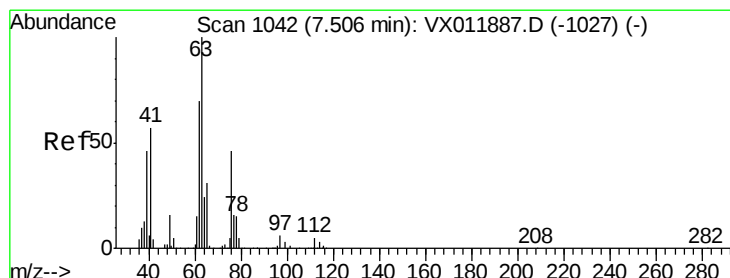
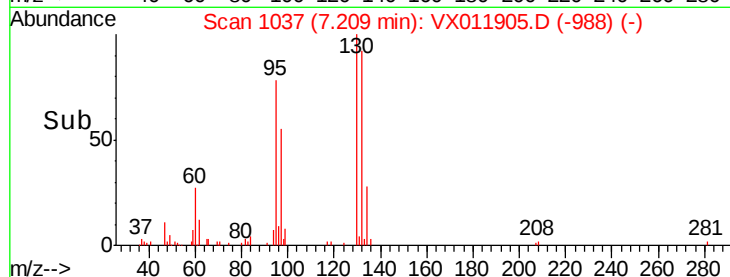
2000

1000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#45

1,2-Dichloropropane

Concen: 2.851 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX011905.D

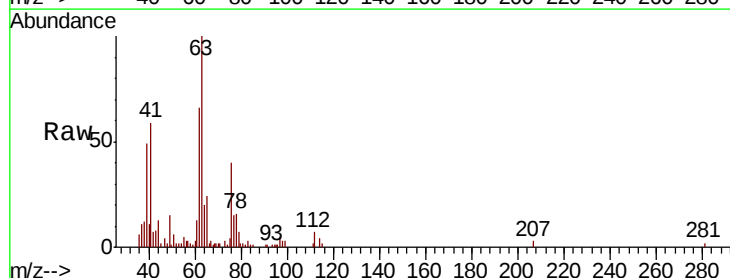
Acq: 30 Aug 2019 13:12

Tgt Ion: 63 Resp: 8802

Ion Ratio Lower Upper

63 100

65 22.8 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

5000

4000

3000

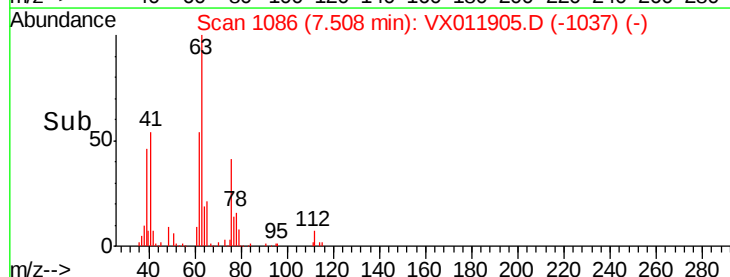
2000

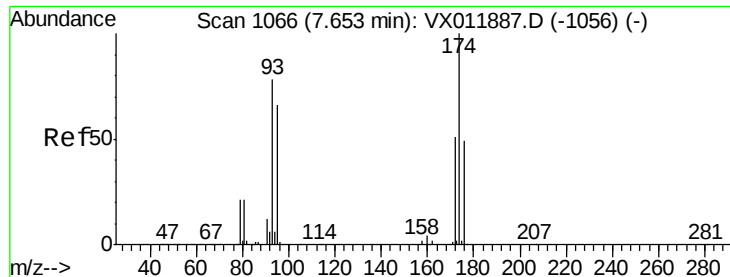
1000

0

Time-->

7.45 7.50 7.55 7.60





#46

Dibromomethane

Concen: 3.021 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

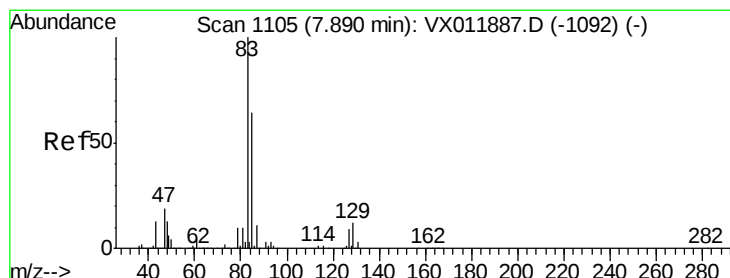
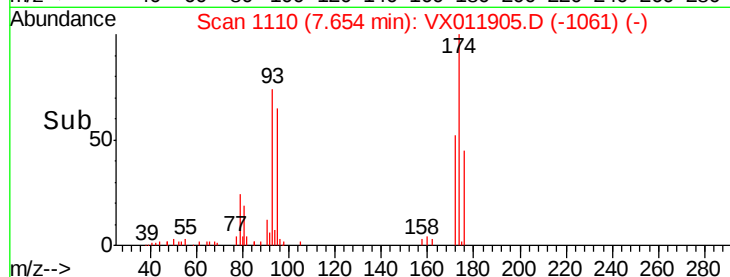
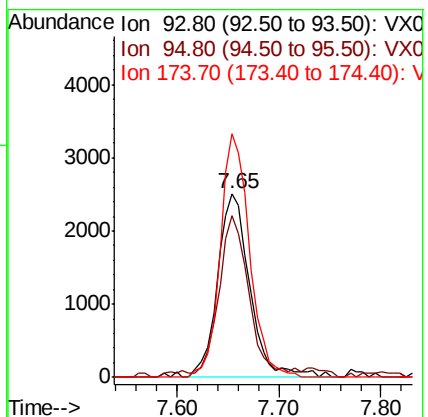
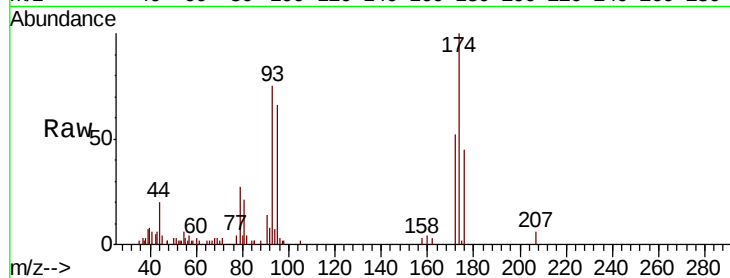
Tgt Ion: 93 Resp: 5534

Ion Ratio Lower Upper

93 100

95 84.1 65.7 98.5

174 119.6 104.2 156.4



#47

Bromodichloromethane

Concen: 2.774 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

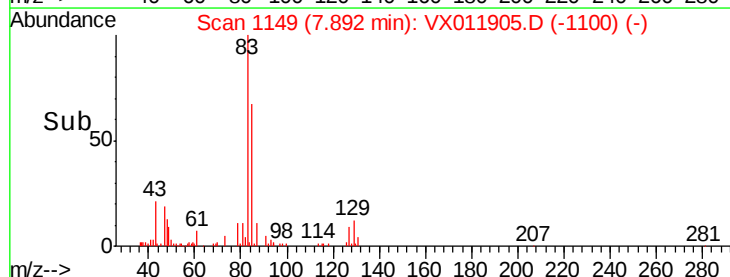
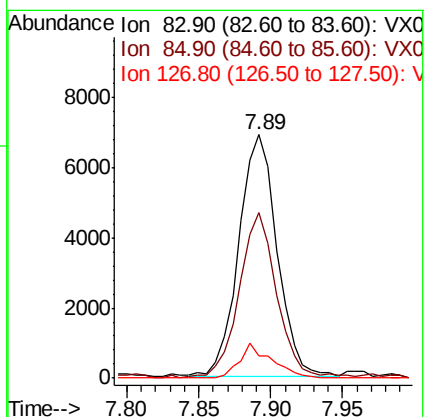
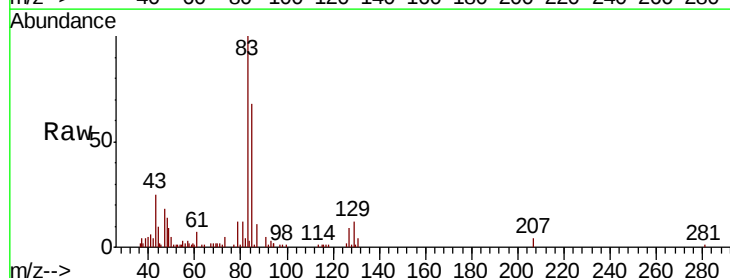
Tgt Ion: 83 Resp: 12604

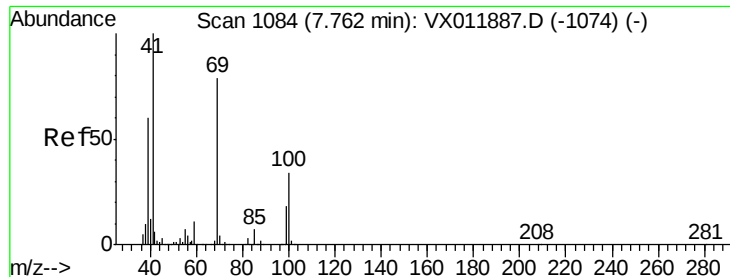
Ion Ratio Lower Upper

83 100

85 67.5 51.1 76.7

127 9.1 7.4 11.2

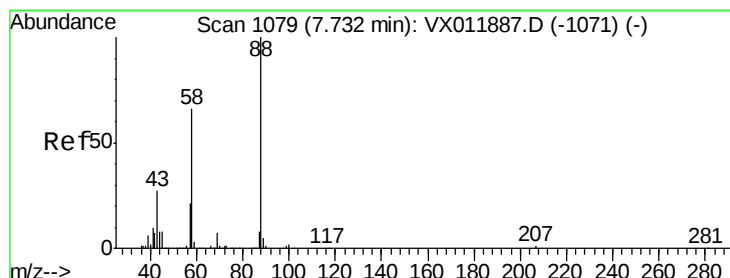
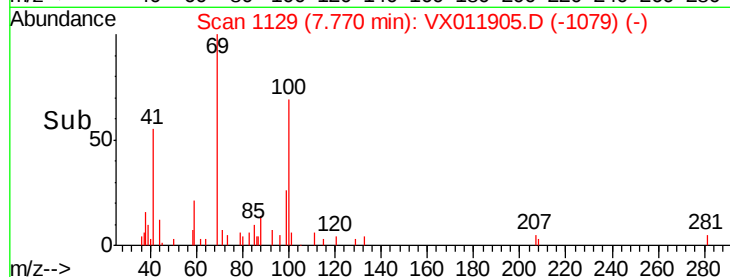
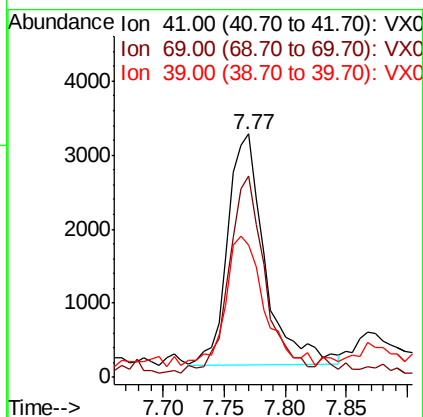
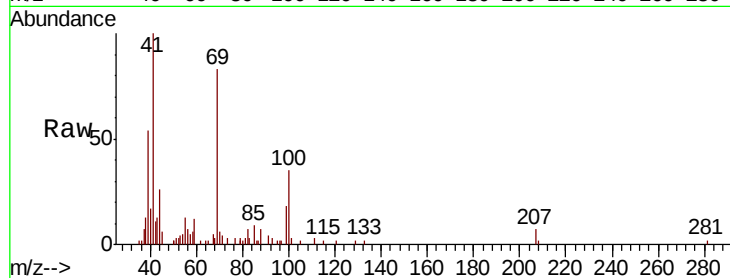




#48
Methyl methacrylate
Concen: 2.832 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

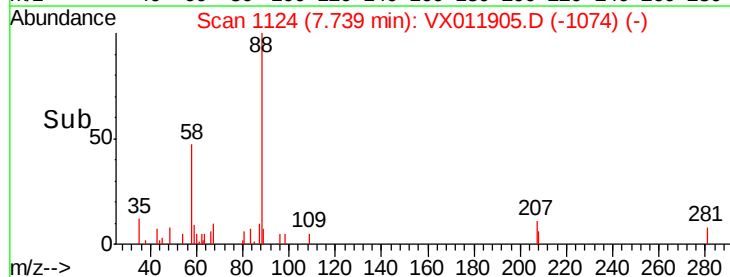
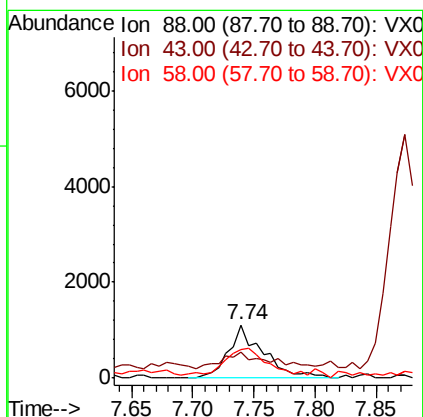
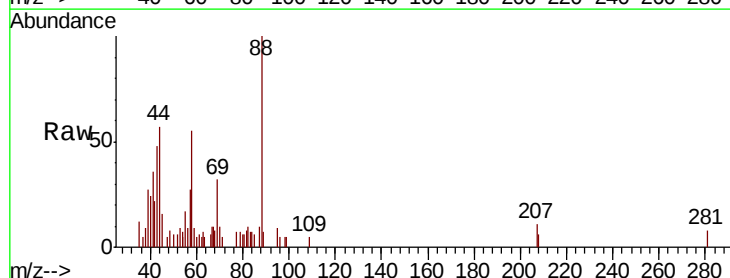
Instrument :
MSVOA_X
ClientSampled :
MDL

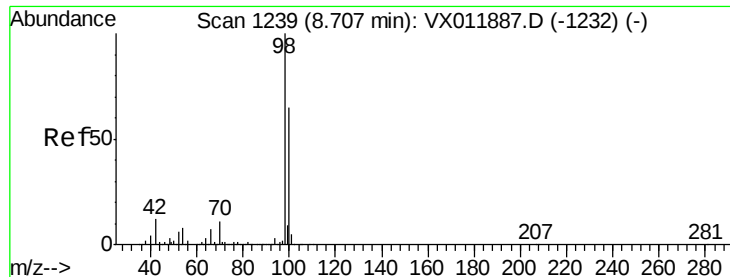
Tgt Ion: 41 Resp: 6538
Ion Ratio Lower Upper
41 100
69 82.4 64.4 96.6
39 58.6 47.2 70.8



#49
1,4-Dioxane
Concen: 68.605 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion: 88 Resp: 2178
Ion Ratio Lower Upper
88 100
43 39.3 27.3 40.9
58 62.6 53.9 80.9

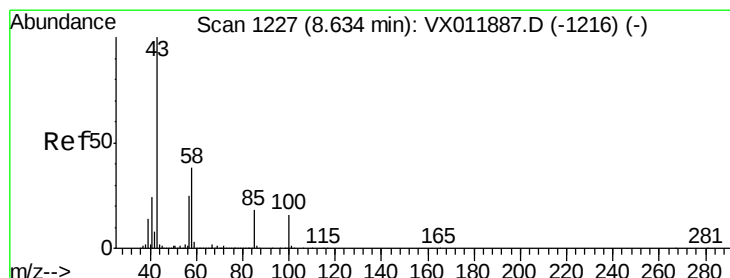
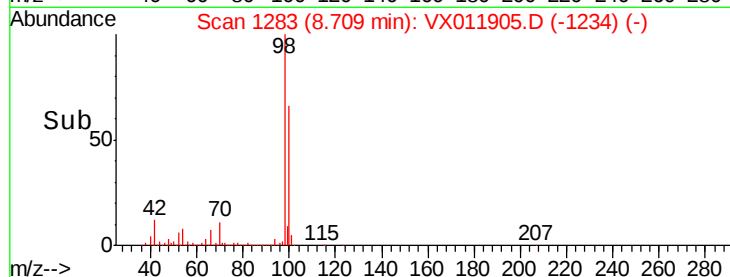
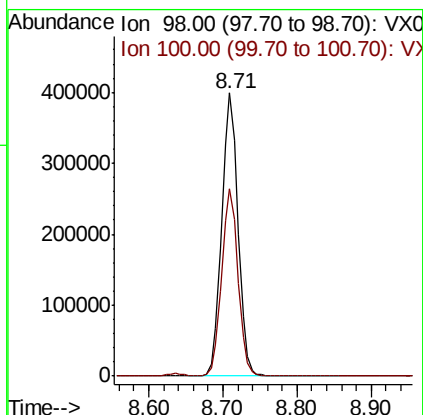
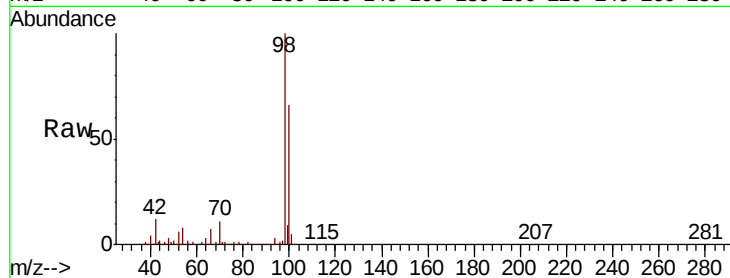




#50
Toluene-d8
Concen: 52.958 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

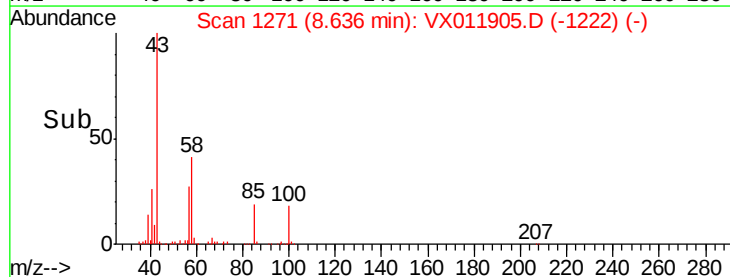
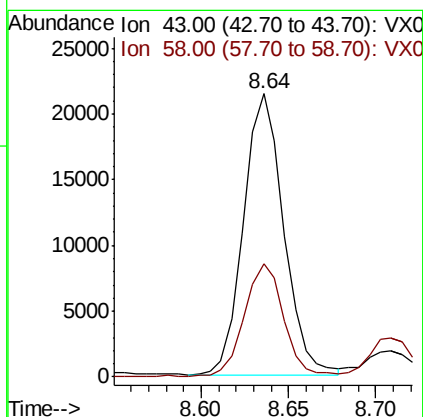
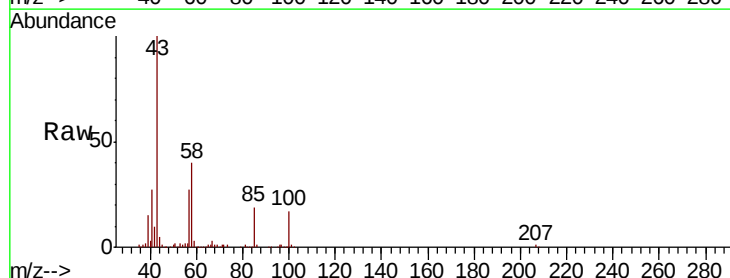
Instrument :
MSVOA_X
ClientSampleId :
MDL

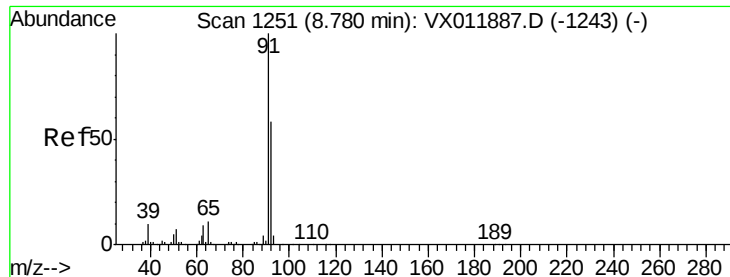
Tgt Ion: 98 Resp: 605791
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 14.115 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion: 43 Resp: 34024
Ion Ratio Lower Upper
43 100
58 38.7 30.9 46.3





#52

Toluene

Concen: 2.915 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

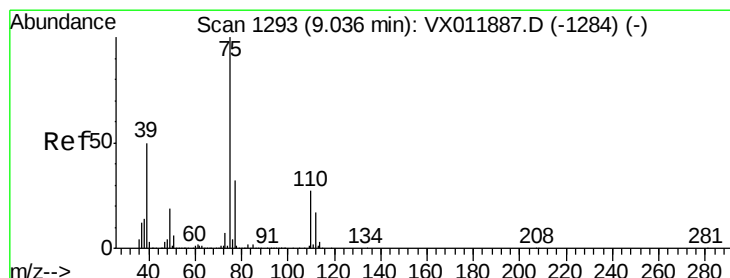
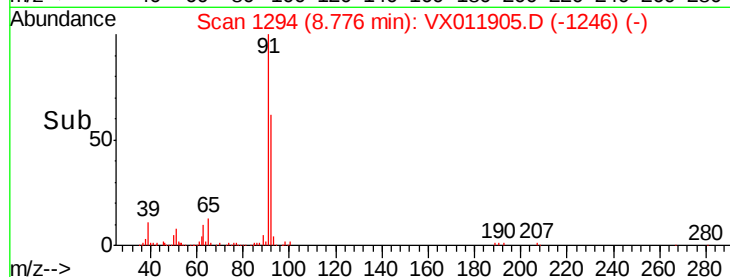
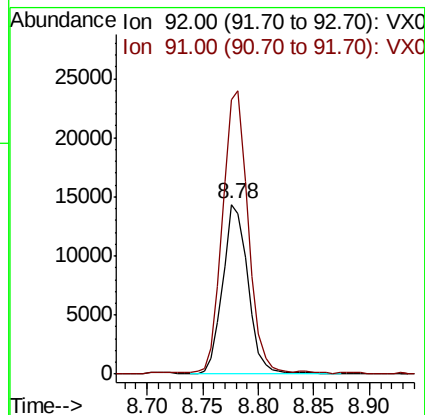
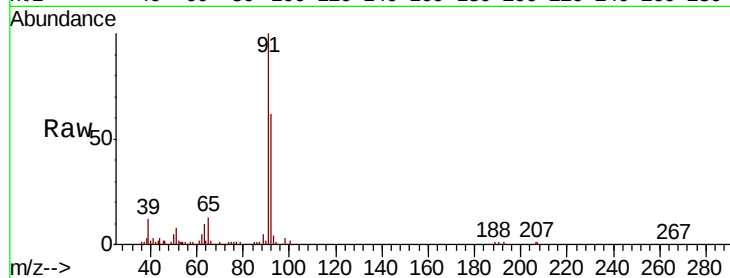
MDL

Tgt Ion: 92 Resp: 22759

Ion Ratio Lower Upper

92 100

91 166.7 136.8 205.2



#53

t-1,3-Dichloropropene

Concen: 2.769 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011905.D

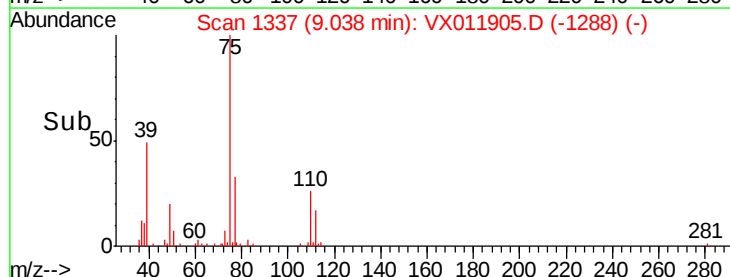
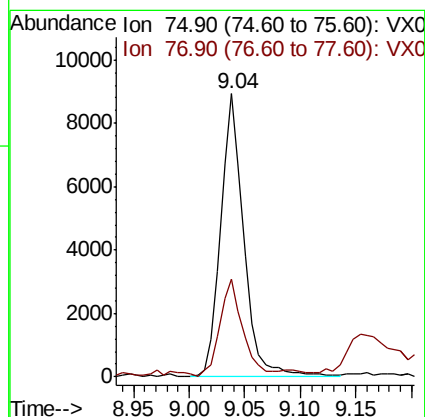
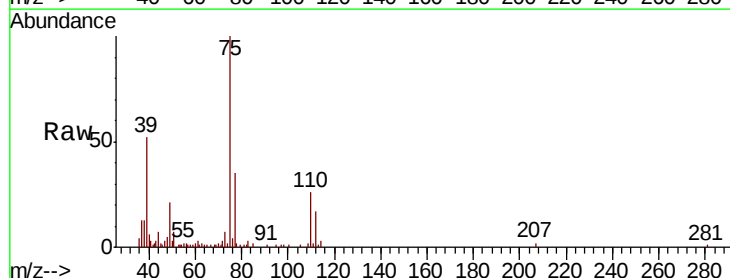
Acq: 30 Aug 2019 13:12

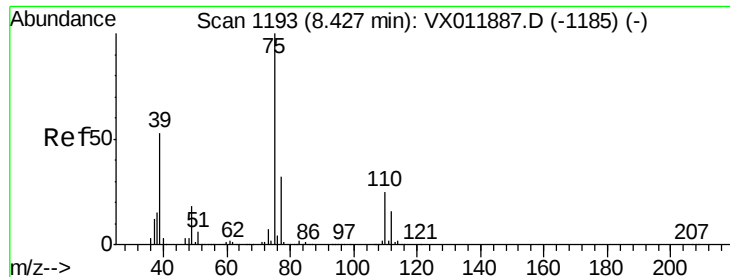
Tgt Ion: 75 Resp: 12885

Ion Ratio Lower Upper

75 100

77 33.3 25.6 38.4

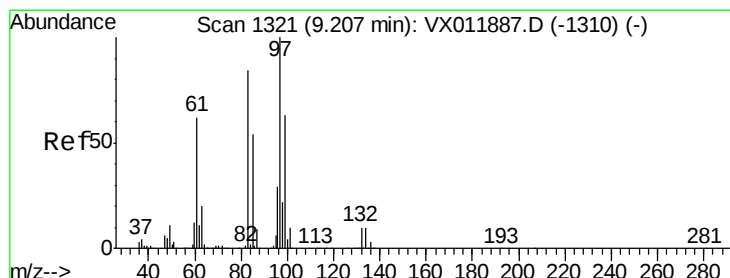
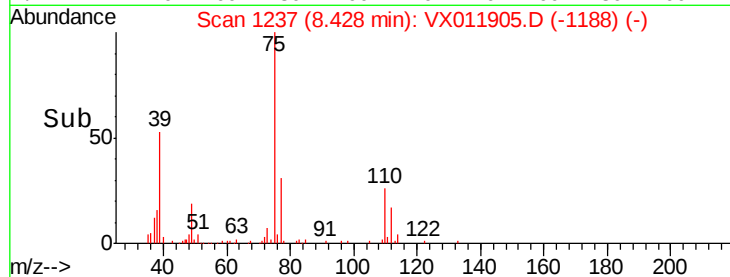
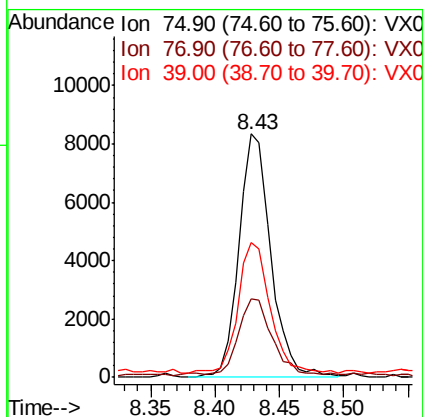
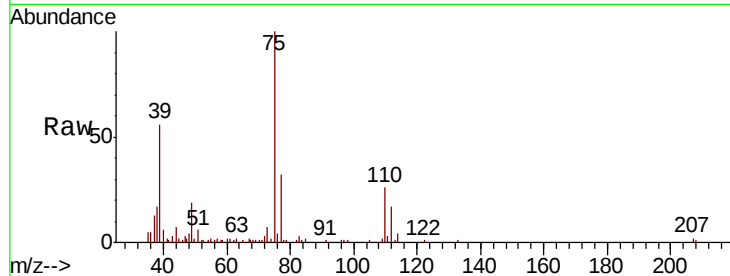




#54
 cis-1,3-Dichloropropene
 Concen: 2.736 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

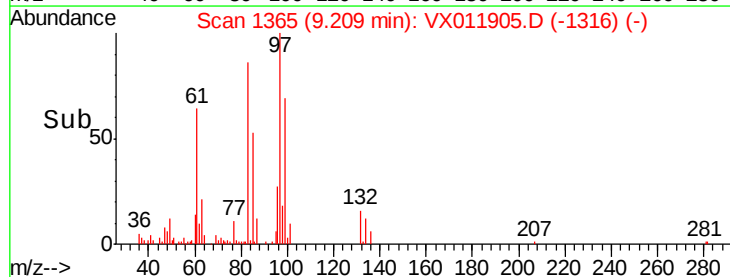
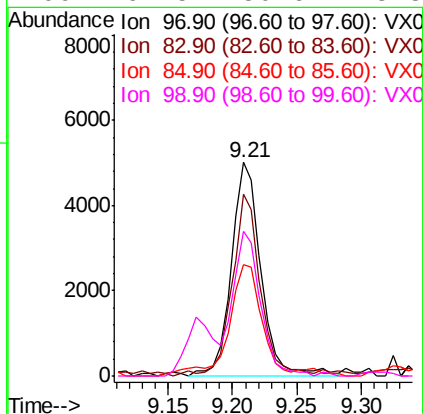
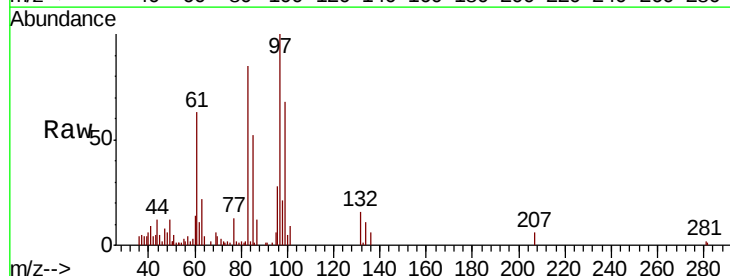
Instrument :
 MSVOA_X
 ClientSampled :
 MDL

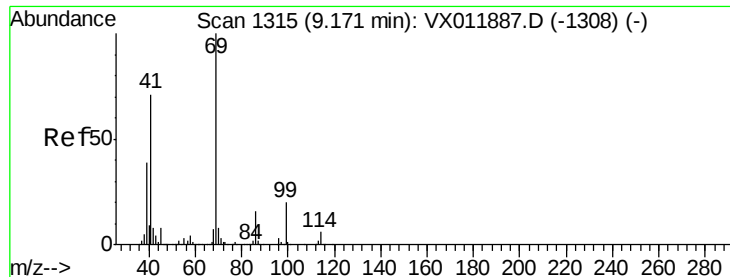
Tgt Ion: 75 Resp: 14293
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.5 38.3
 39 54.0 42.6 64.0



#55
 1,1,2-Trichloroethane
 Concen: 3.011 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

Tgt Ion: 97 Resp: 8075
 Ion Ratio Lower Upper
 97 100
 83 83.0 66.8 100.2
 85 50.6 43.5 65.3
 99 67.5 50.6 75.8





#56

Ethyl methacrylate

Concen: 2.814 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

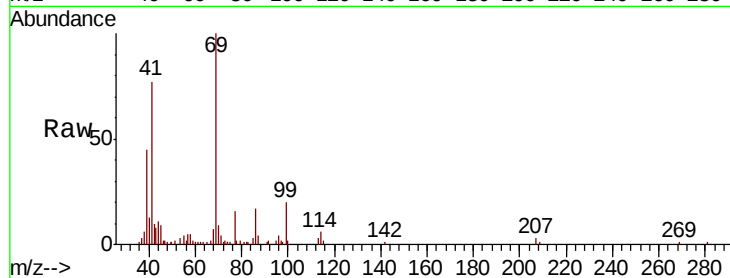
Tgt Ion: 69 Resp: 10474

Ion Ratio Lower Upper

69 100

41 68.2 55.8 83.8

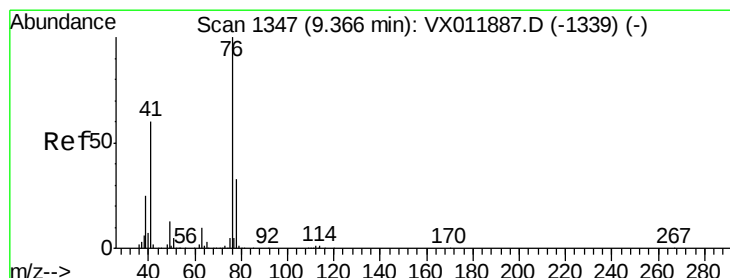
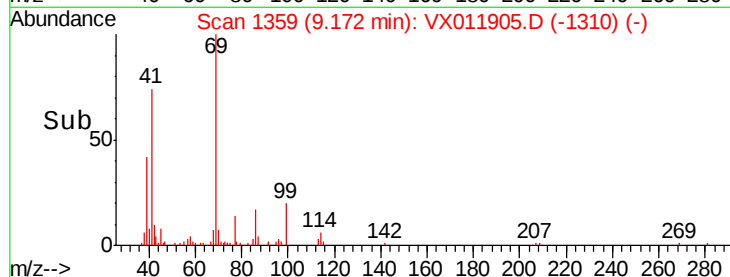
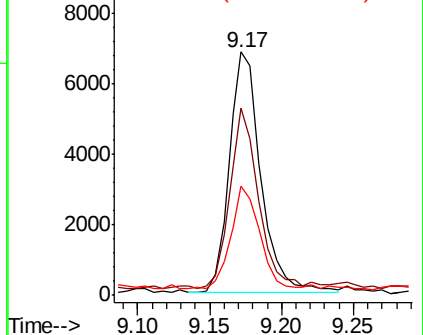
39 39.7 31.1 46.7



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 2.921 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011905.D

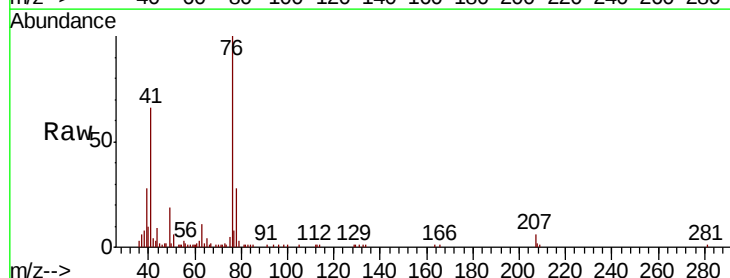
Acq: 30 Aug 2019 13:12

Tgt Ion: 76 Resp: 13003

Ion Ratio Lower Upper

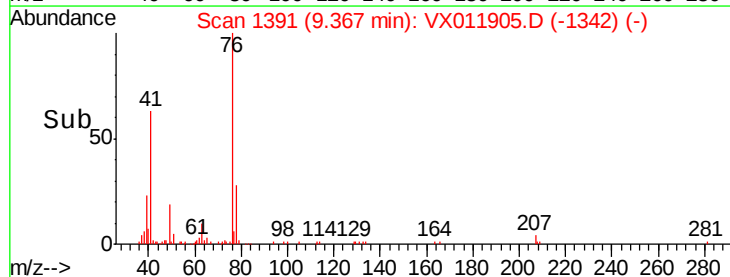
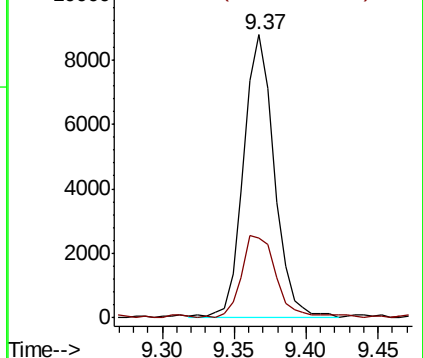
76 100

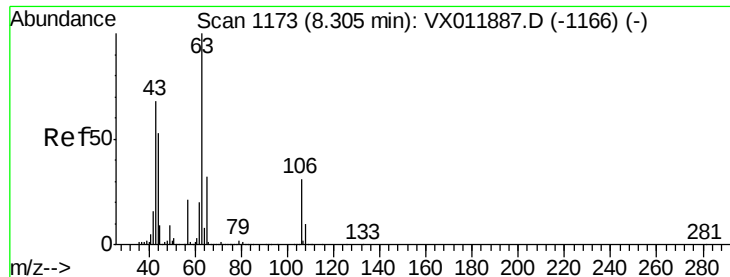
78 33.4 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

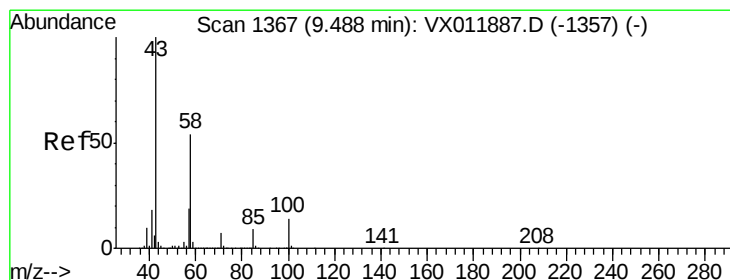
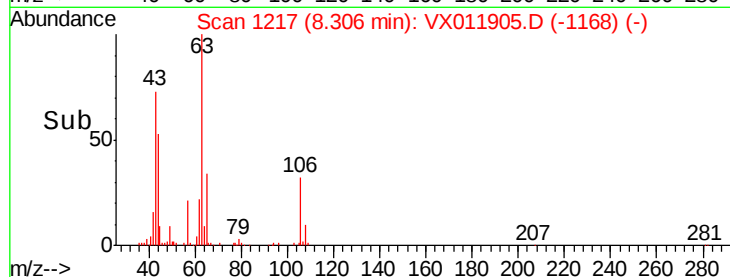
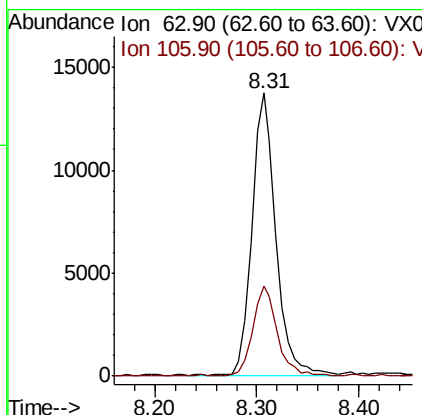
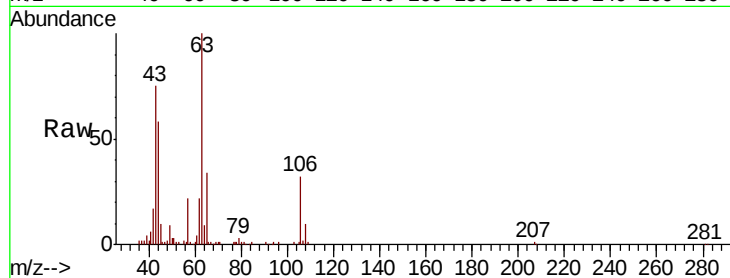




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.885 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

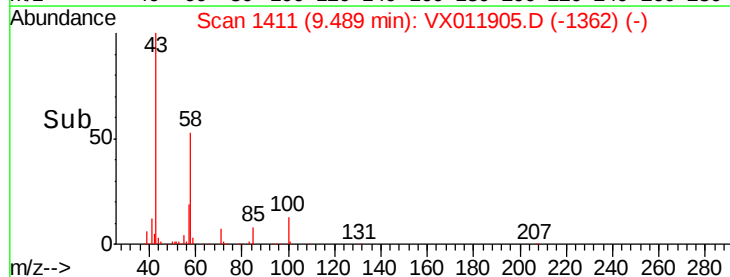
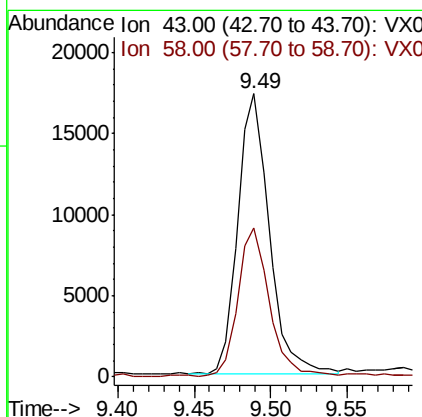
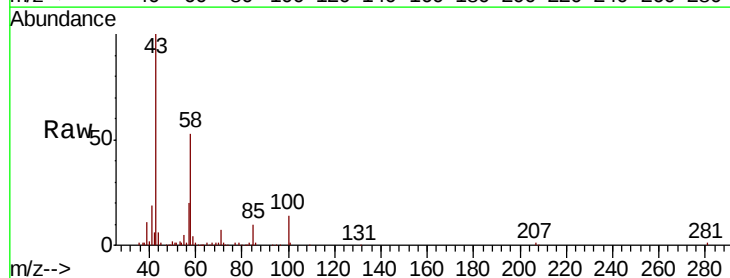
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL

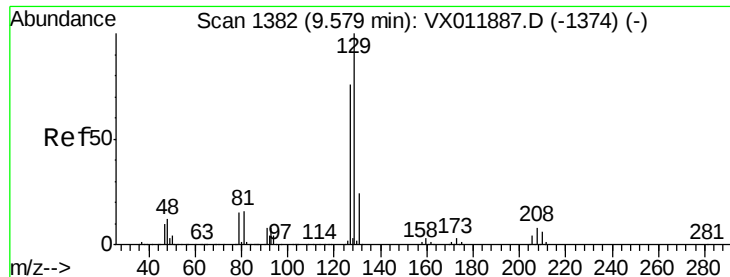
Tgt Ion: 63 Resp: 22844
 Ion Ratio Lower Upper
 63 100
 106 32.4 24.8 37.2



#59
 2-Hexanone
 Concen: 14.414 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

Tgt Ion: 43 Resp: 24680
 Ion Ratio Lower Upper
 43 100
 58 52.3 26.8 80.4





#60

Dibromochloromethane

Concen: 2.686 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

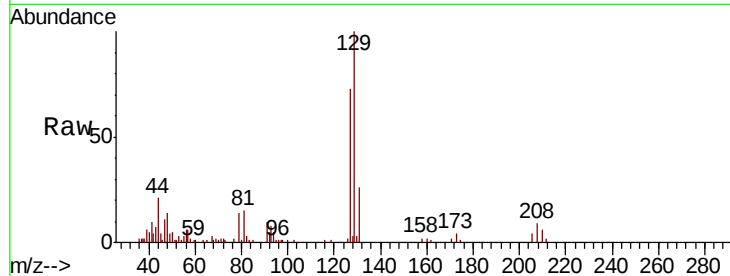
MDL

Tgt Ion:129 Resp: 9674

Ion Ratio Lower Upper

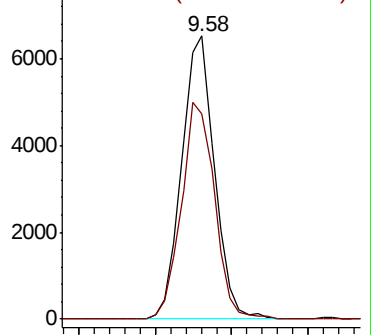
129 100

127 77.8 38.6 115.7

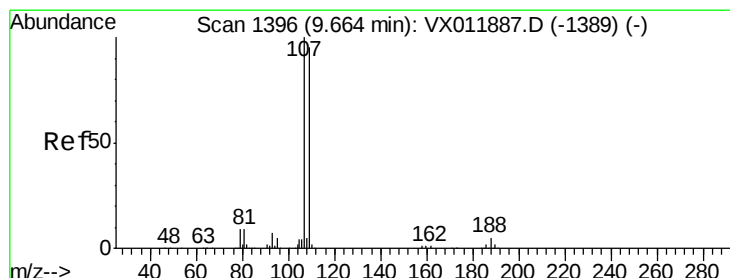
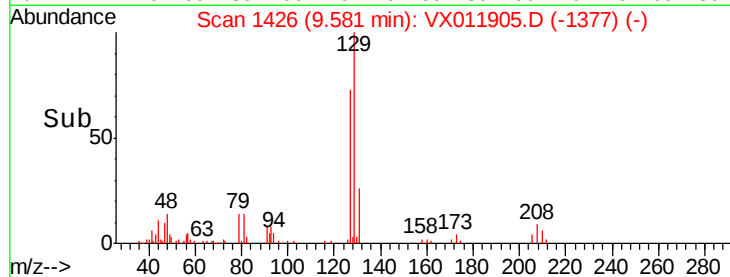


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#61

1,2-Dibromoethane

Concen: 2.937 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011905.D

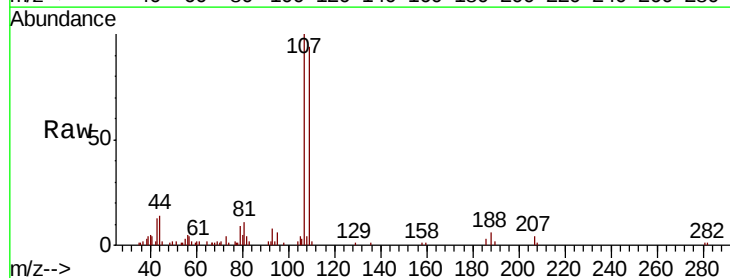
Acq: 30 Aug 2019 13:12

Tgt Ion:107 Resp: 7809

Ion Ratio Lower Upper

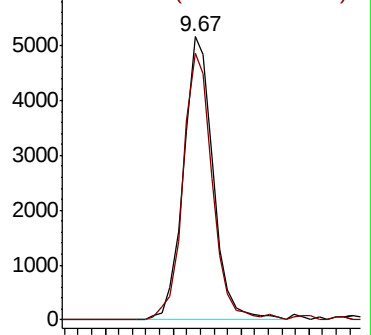
107 100

109 93.6 75.3 112.9

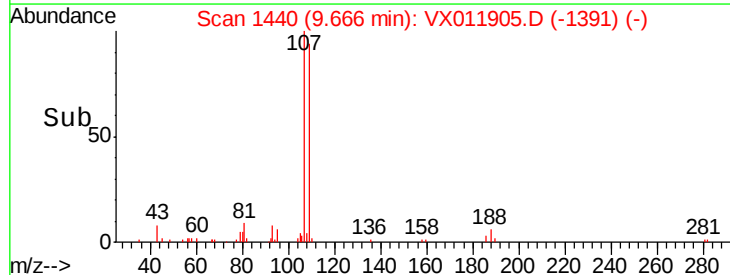


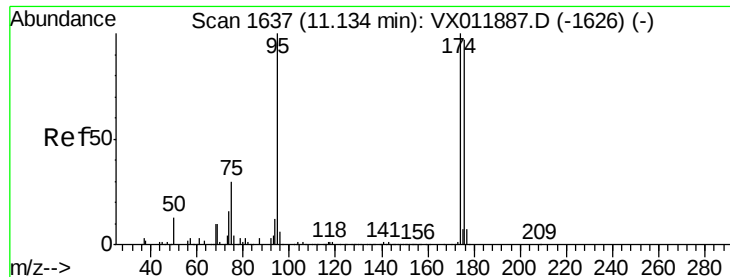
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 49.286 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampled :

MDL

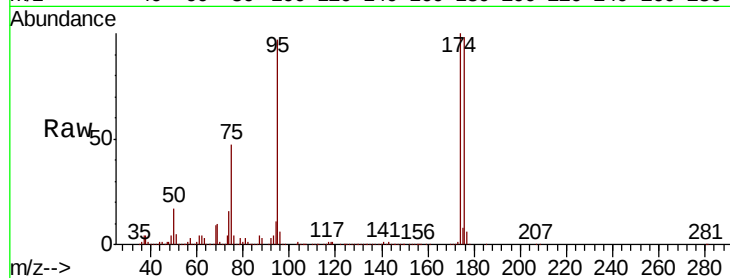
Tgt Ion: 95 Resp: 247313

Ion Ratio Lower Upper

95 100

174 97.4 0.0 196.0

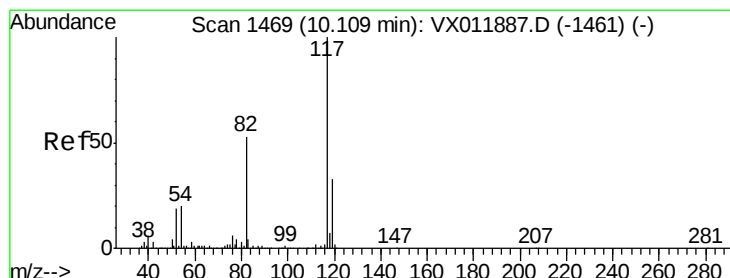
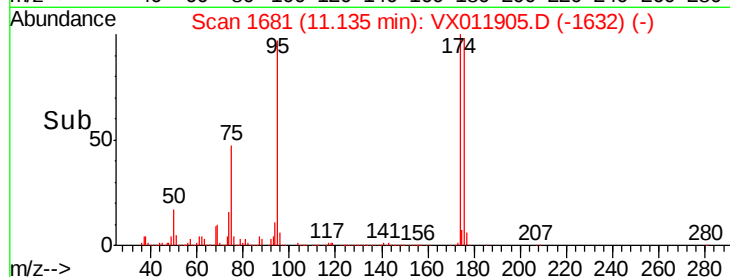
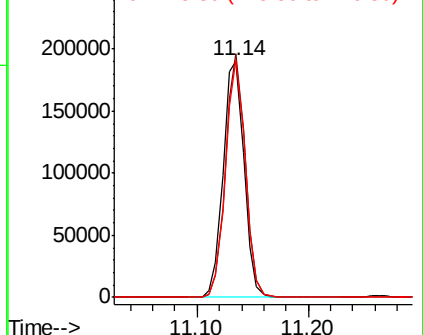
176 95.1 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

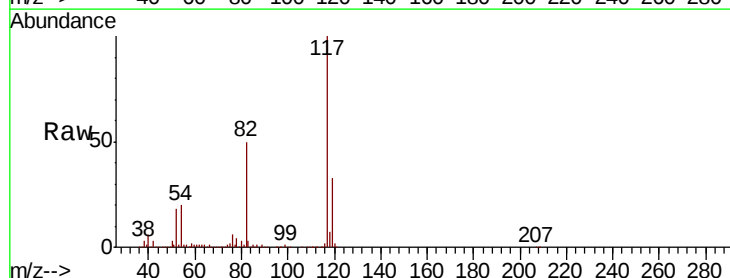
Tgt Ion: 117 Resp: 461672

Ion Ratio Lower Upper

117 100

82 50.4 42.0 63.0

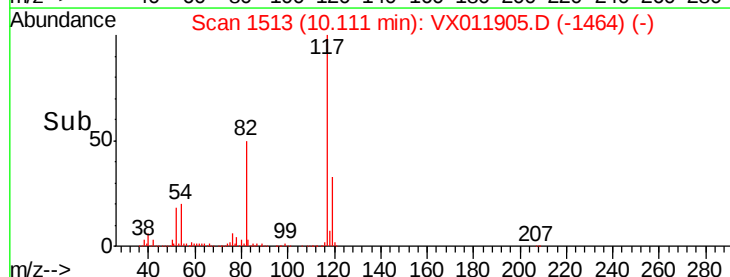
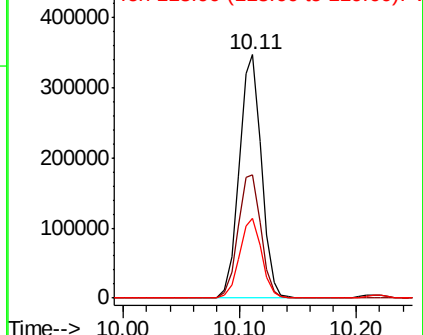
119 32.9 26.2 39.4

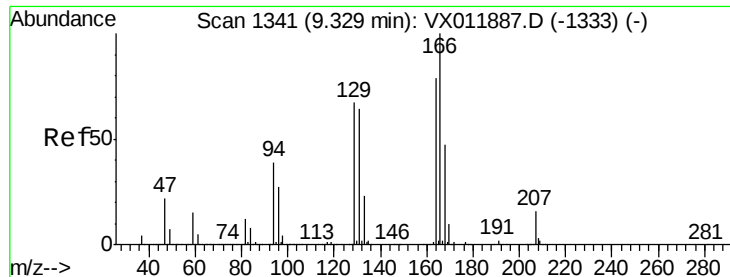


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 3.233 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

Tgt Ion:164 Resp: 12007

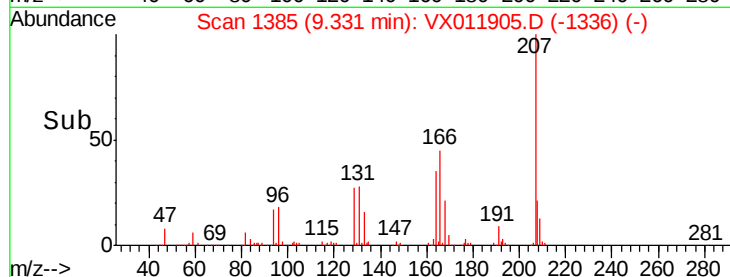
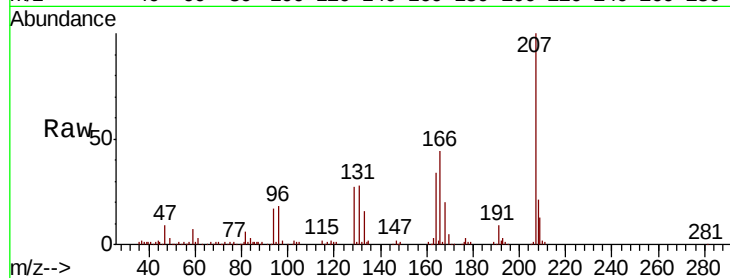
Ion Ratio Lower Upper

164 100

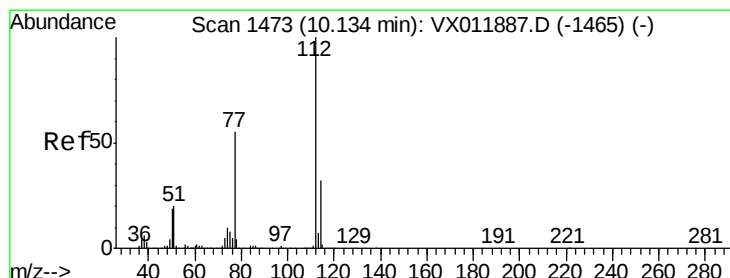
166 128.7 101.4 152.0

129 79.2 68.0 102.0

131 81.5 64.7 97.1



Time-->



#65

Chlorobenzene

Concen: 2.919 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011905.D

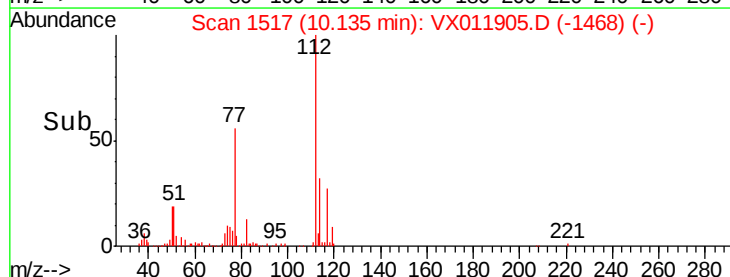
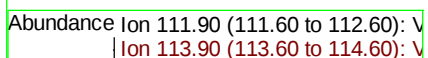
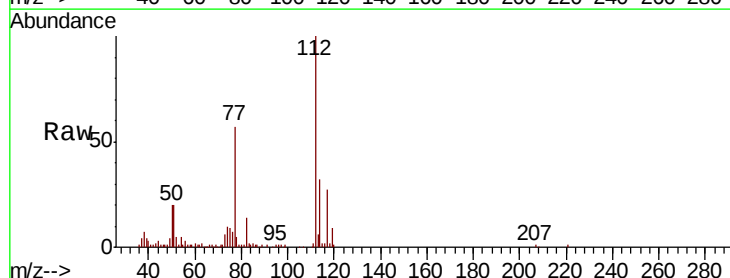
Acq: 30 Aug 2019 13:12

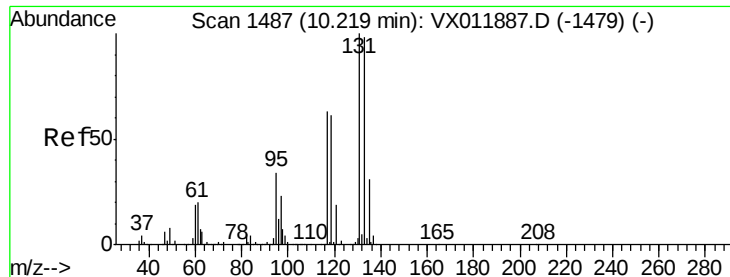
Tgt Ion:112 Resp: 26117

Ion Ratio Lower Upper

112 100

114 32.3 25.9 38.9





#66

1,1,1,2-Tetrachloroethane

Concen: 2.841 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

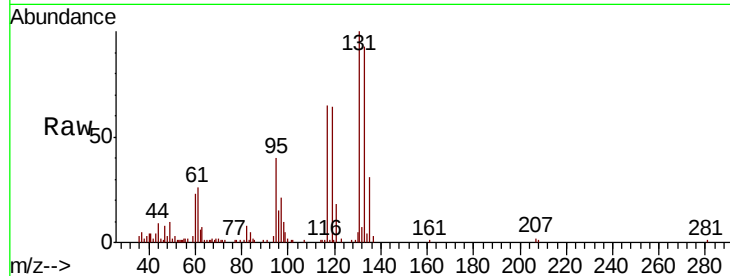
Tgt Ion: 131 Resp: 10278

Ion Ratio Lower Upper

131 100

133 98.9 48.4 145.0

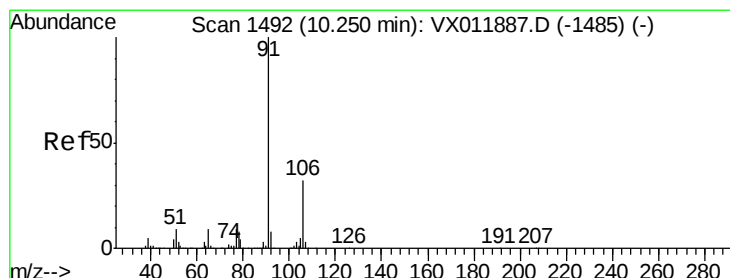
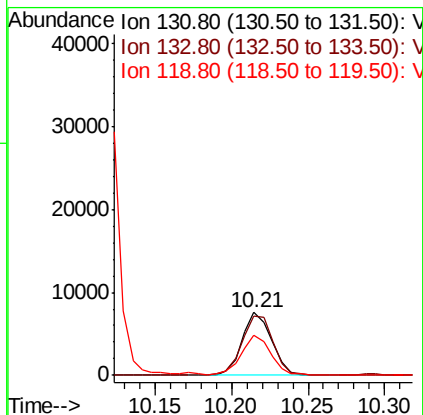
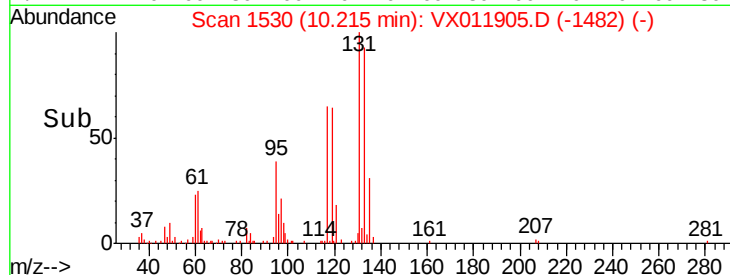
119 61.7 30.6 92.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 2.963 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011905.D

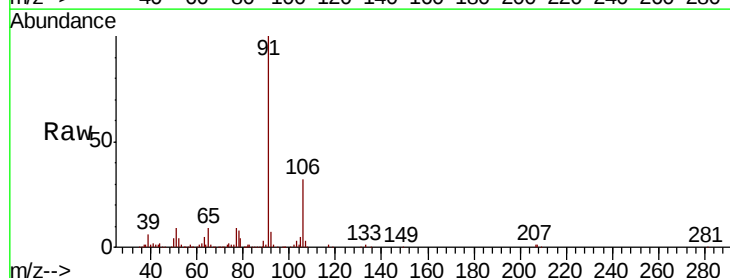
Acq: 30 Aug 2019 13:12

Tgt Ion: 91 Resp: 45092

Ion Ratio Lower Upper

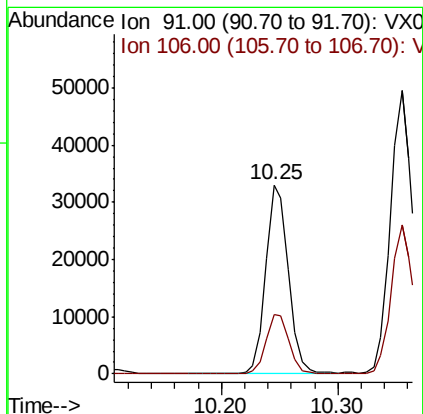
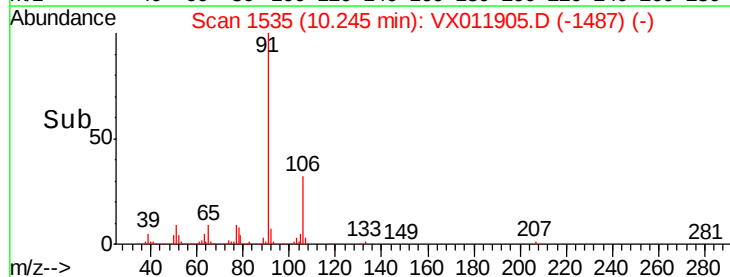
91 100

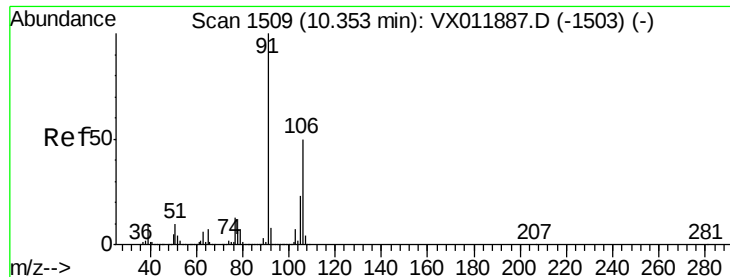
106 31.7 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

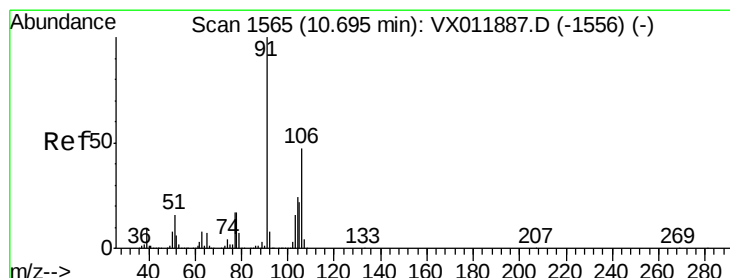
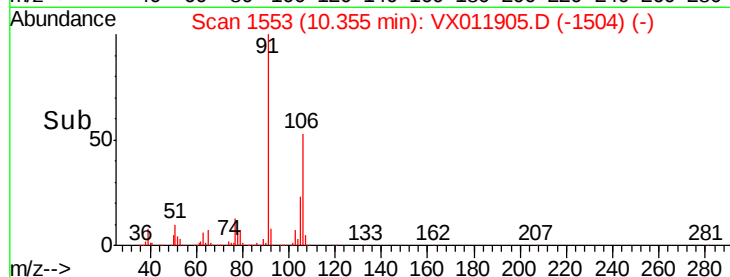
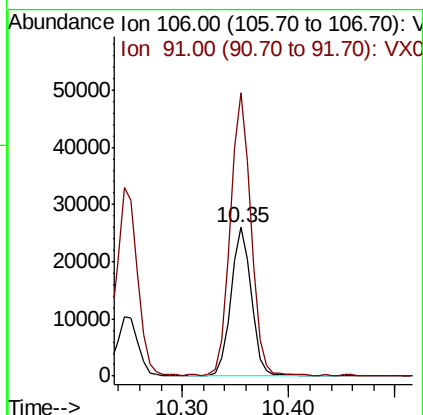
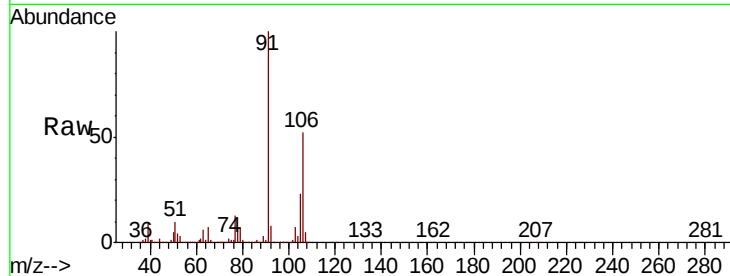




#68
m/p-Xylenes
Concen: 6.005 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

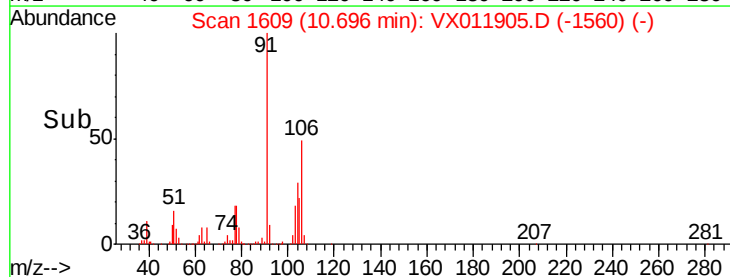
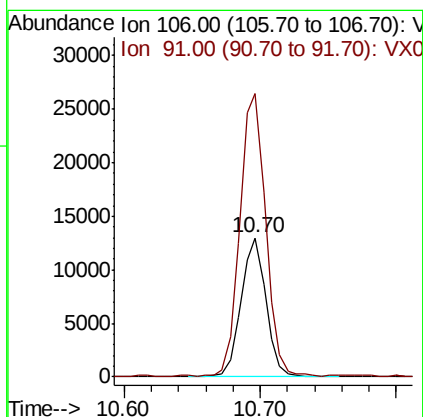
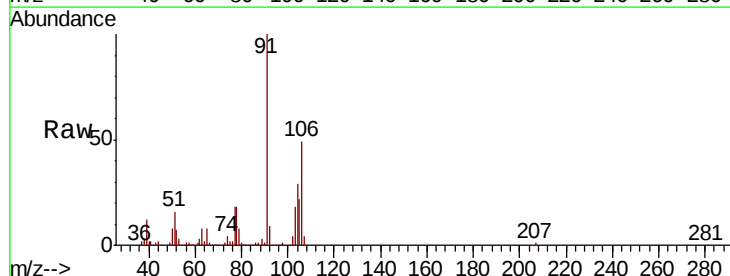
Instrument :
MSVOA_X
ClientSampled :
MDL

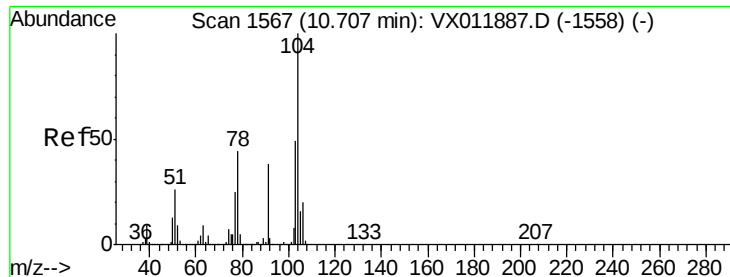
Tgt Ion:106 Resp: 35284
Ion Ratio Lower Upper
106 100
91 189.5 158.6 237.8



#69
o-Xylene
Concen: 2.904 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion:106 Resp: 16629
Ion Ratio Lower Upper
106 100
91 210.7 104.8 314.6

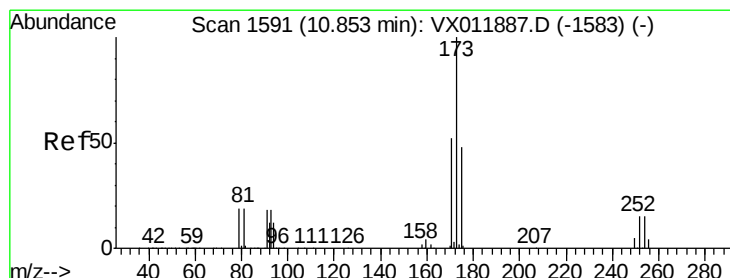
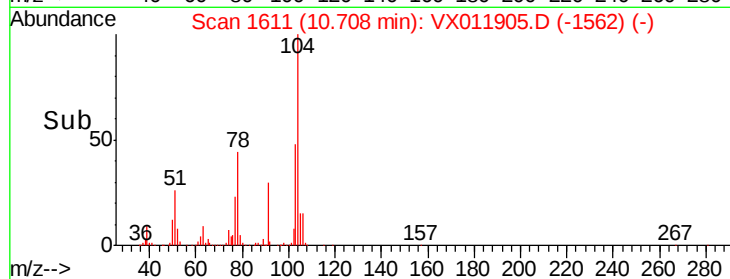
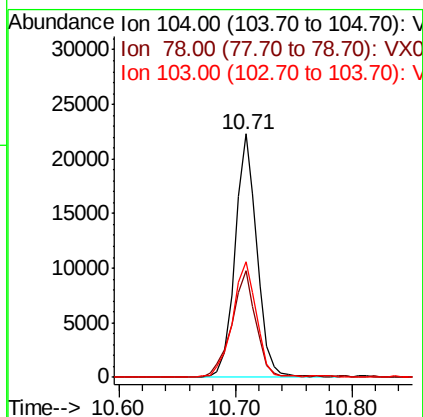
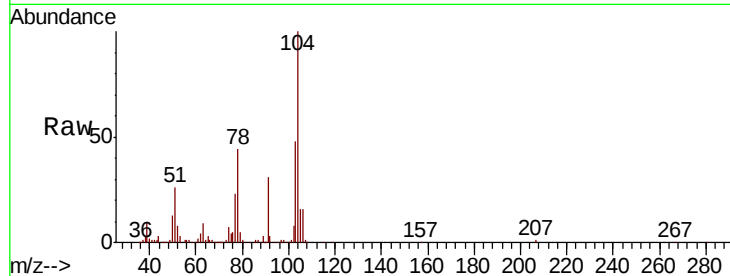




#70
Styrene
Concen: 2.903 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

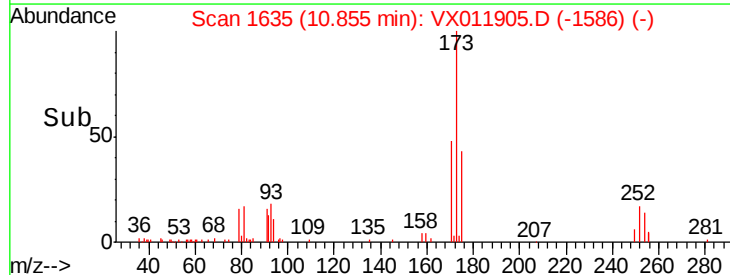
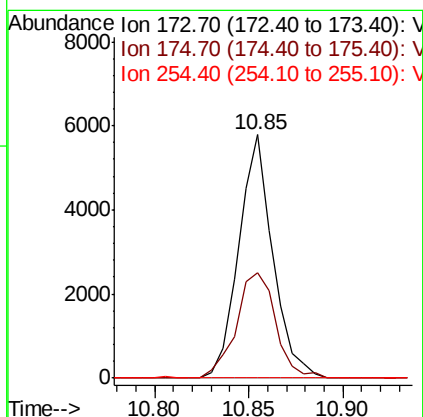
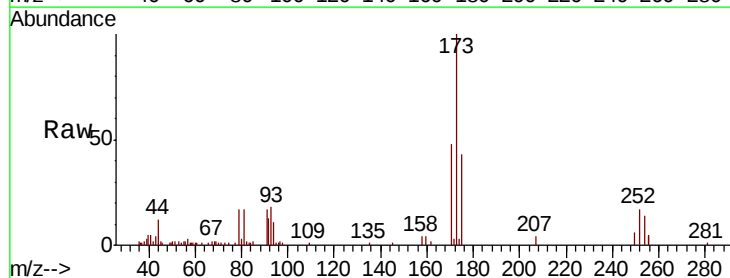
Instrument :
MSVOA_X
ClientSampleId :
MDL

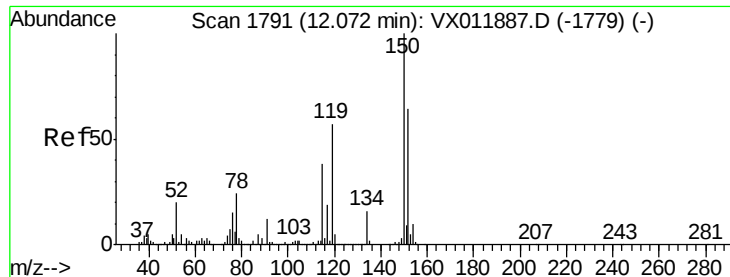
Tgt Ion:104 Resp: 29302
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 51.9 43.0 64.6



#71
Bromoform
Concen: 2.821 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion:173 Resp: 7217
Ion Ratio Lower Upper
173 100
175 50.2 24.4 73.2
254 0.0 0.1 0.1#



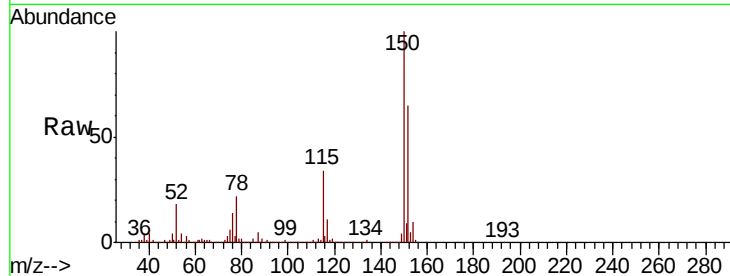


#72

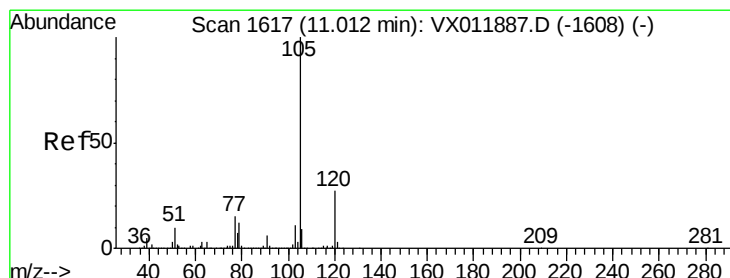
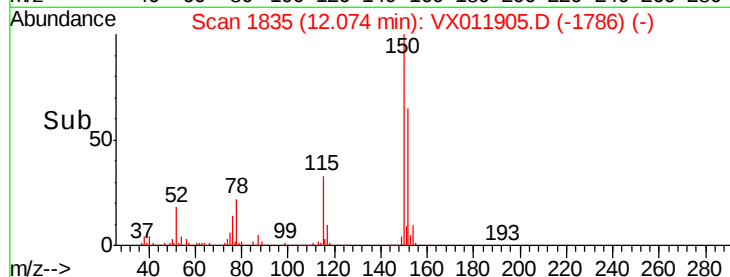
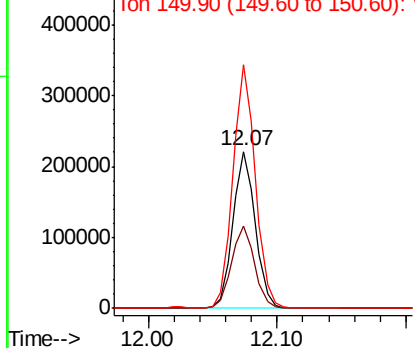
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
MDL

Tgt Ion:152 Resp: 267848
Ion Ratio Lower Upper
152 100
115 54.2 37.1 111.3
150 155.9 0.0 339.6



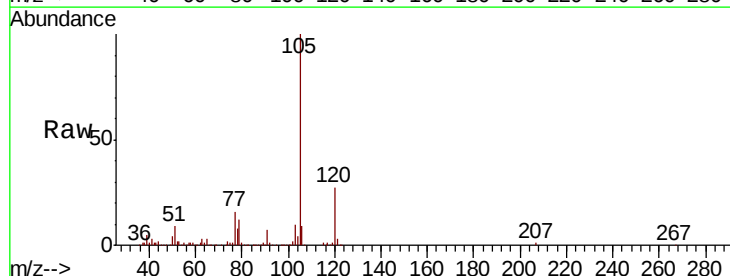
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



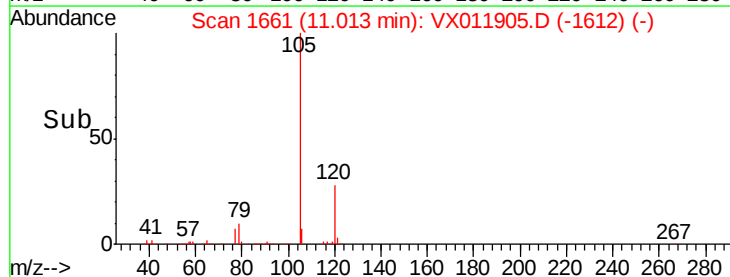
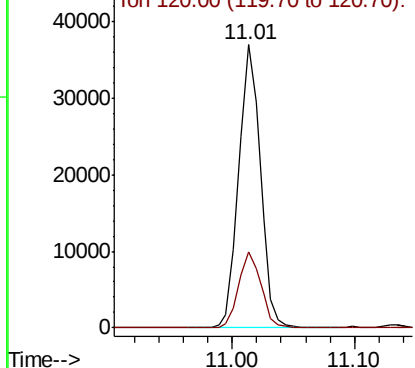
#73

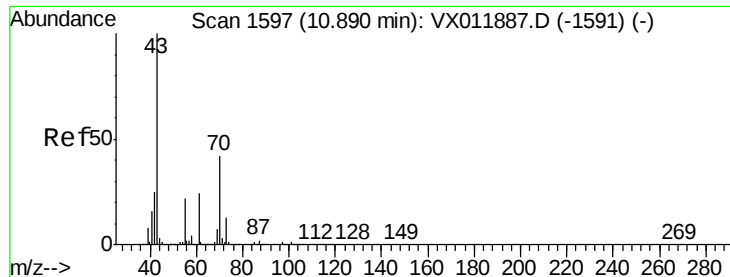
Isopropylbenzene
Concen: 2.947 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion:105 Resp: 45361
Ion Ratio Lower Upper
105 100
120 27.3 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 2.719 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

Tgt Ion: 43 Resp: 12419

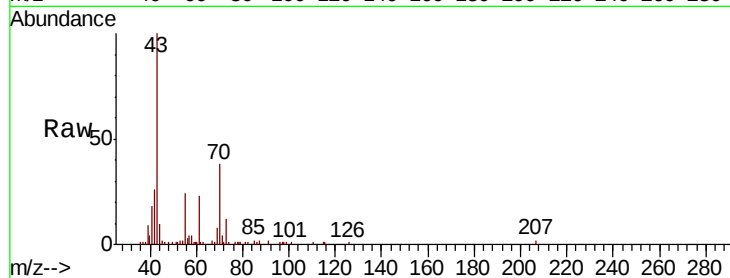
Ion Ratio Lower Upper

43 100

70 41.8 0.2 0.2#

55 25.5 0.1 0.1#

61 25.7 16.4 24.6#

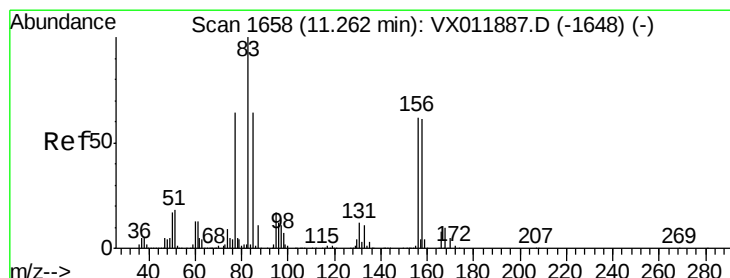
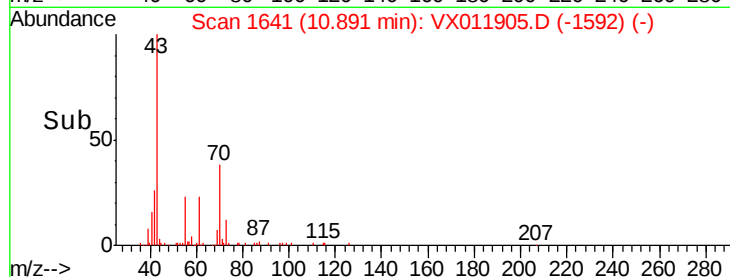
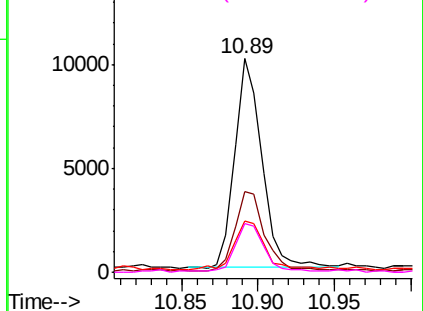


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.991 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

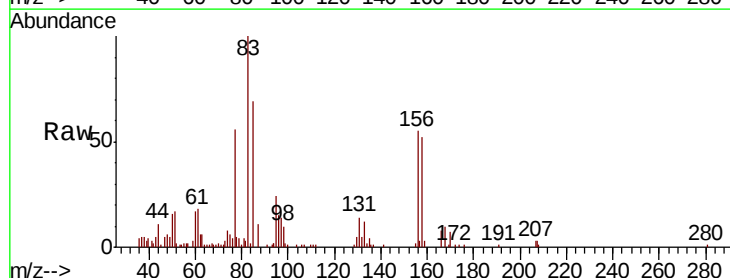
Tgt Ion: 83 Resp: 9421

Ion Ratio Lower Upper

83 100

131 14.2 6.0 18.0

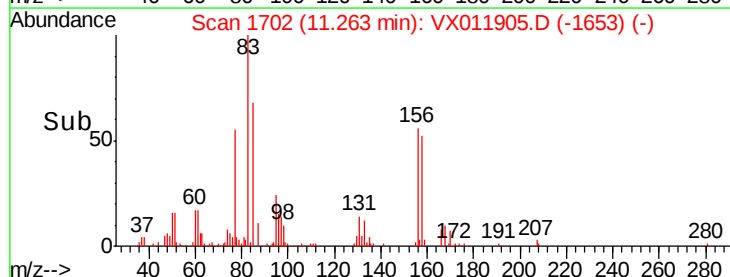
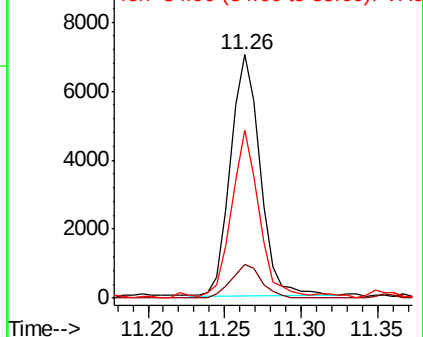
85 65.8 31.9 95.9

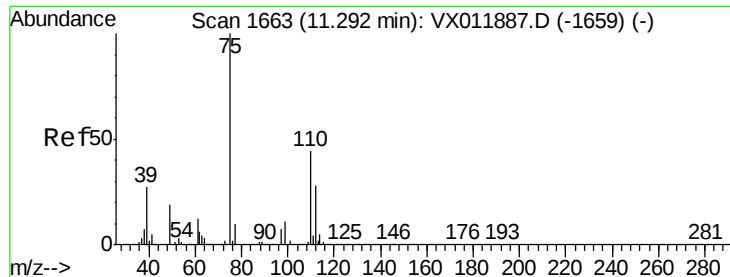


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 3.540 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

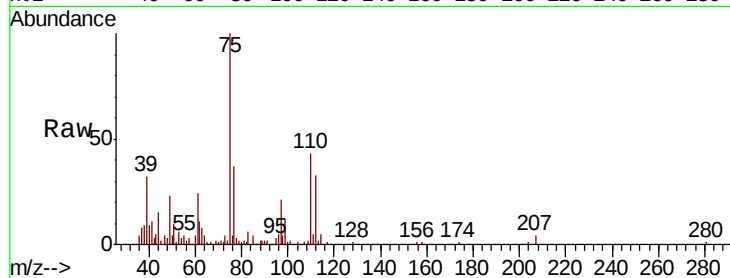
MDL

Tgt Ion: 75 Resp: 9328

Ion Ratio Lower Upper

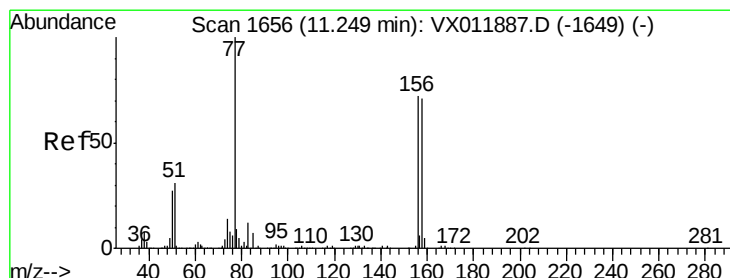
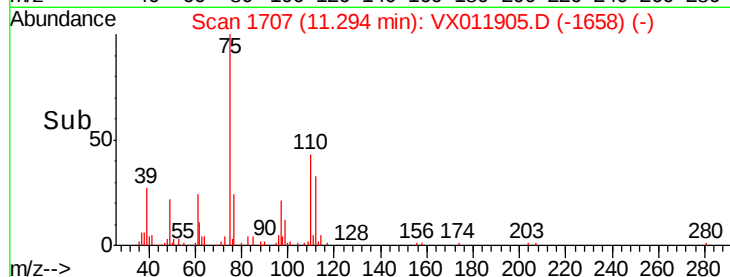
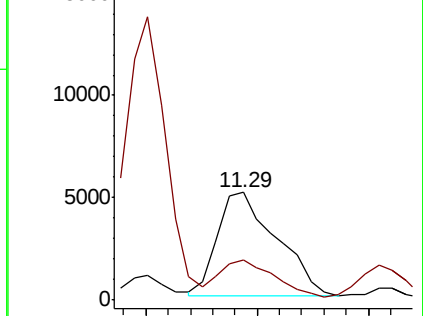
75 100

77 35.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 3.026 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

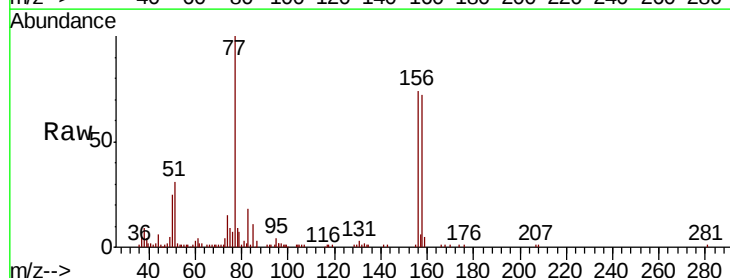
Tgt Ion: 156 Resp: 13507

Ion Ratio Lower Upper

156 100

77 133.3 68.1 204.3

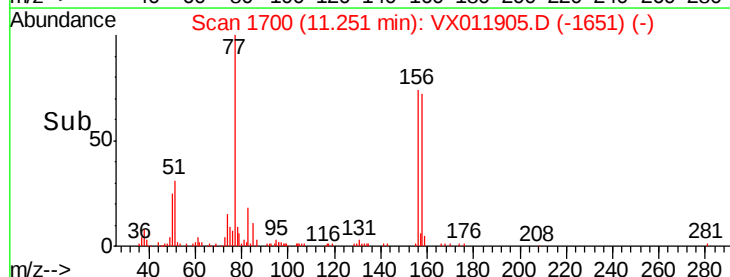
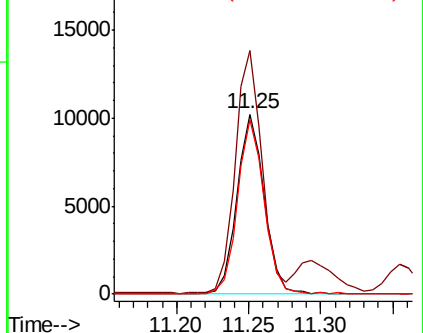
158 94.4 48.9 146.8

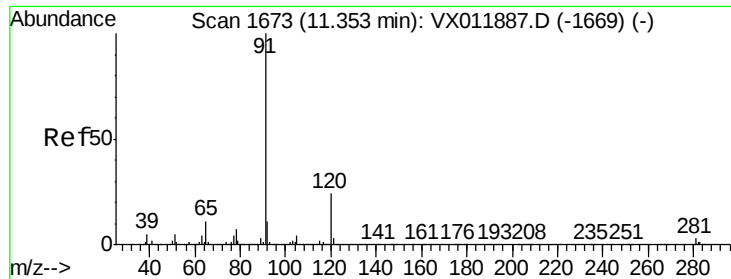


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

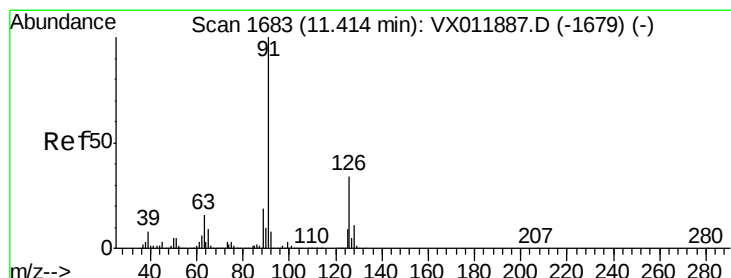
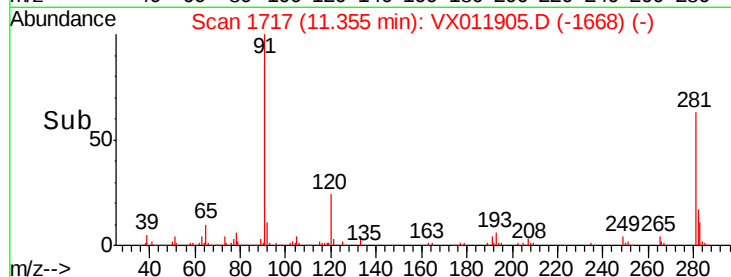
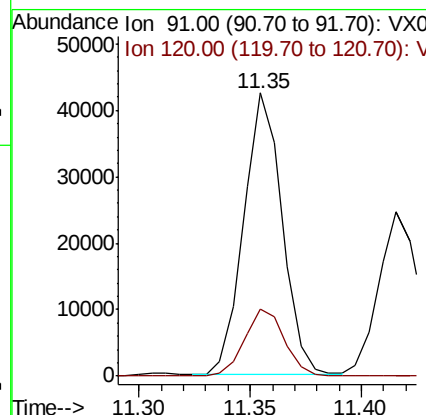
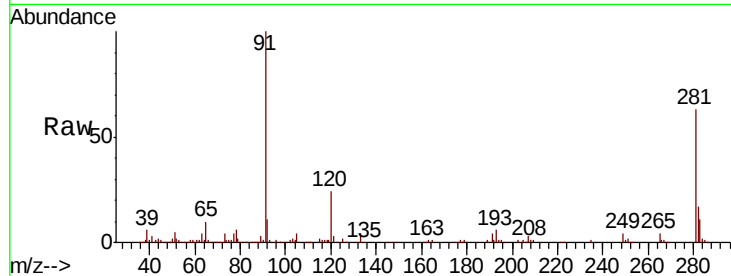




#78
n-propylbenzene
Concen: 2.926 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

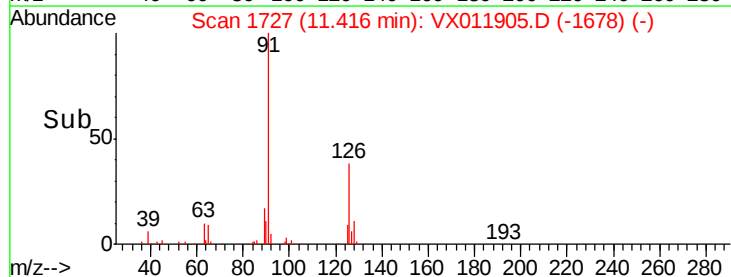
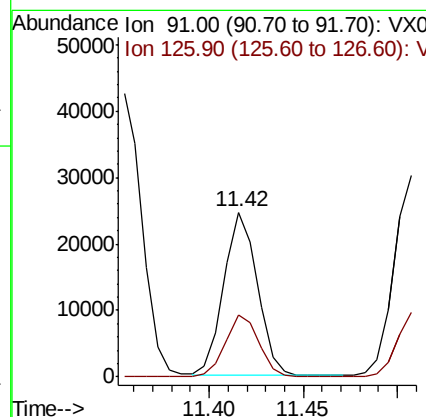
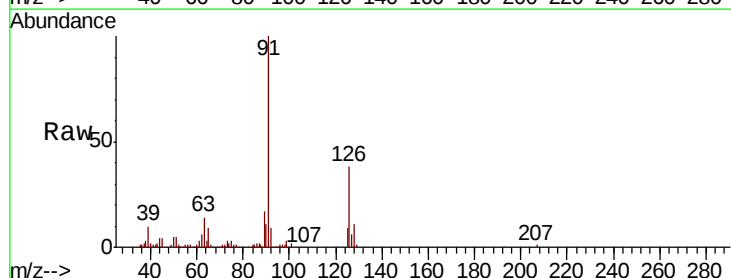
Instrument :
MSVOA_X
ClientSampleId :
MDL

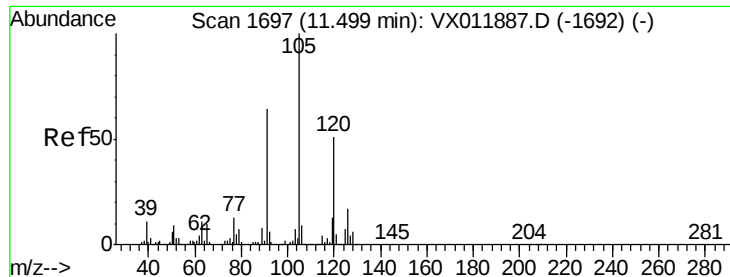
Tgt Ion: 91 Resp: 51059
Ion Ratio Lower Upper
91 100
120 24.8 12.3 36.9



#79
2-Chlorotoluene
Concen: 2.903 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion: 91 Resp: 30493
Ion Ratio Lower Upper
91 100
126 38.4 17.9 53.8

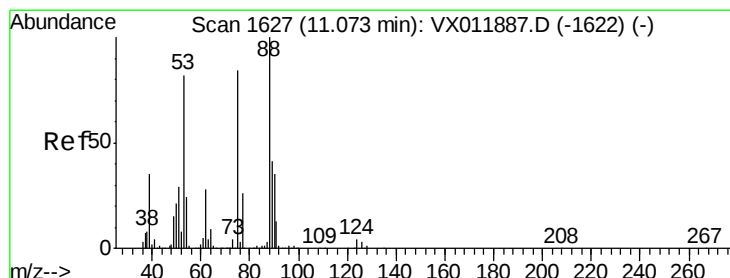
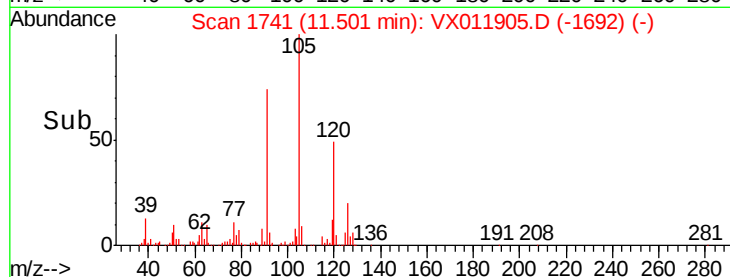
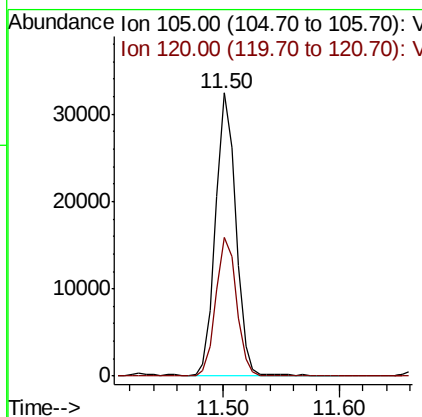
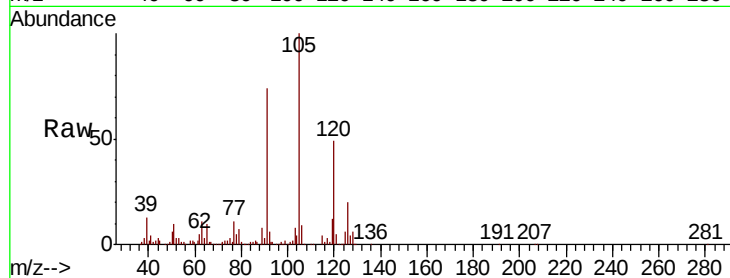




#80
 1,3,5-Trimethylbenzene
 Concen: 2.931 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

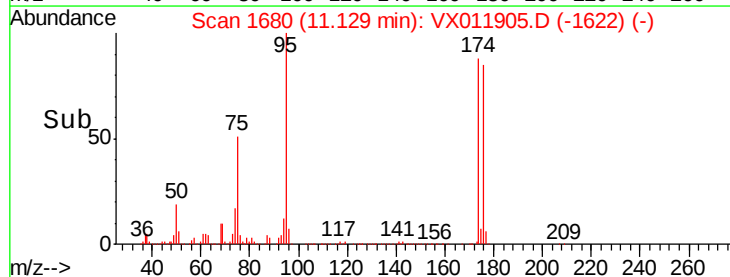
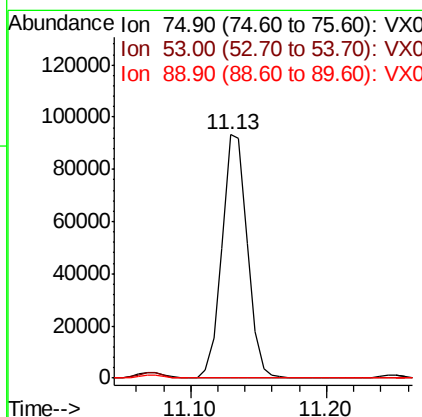
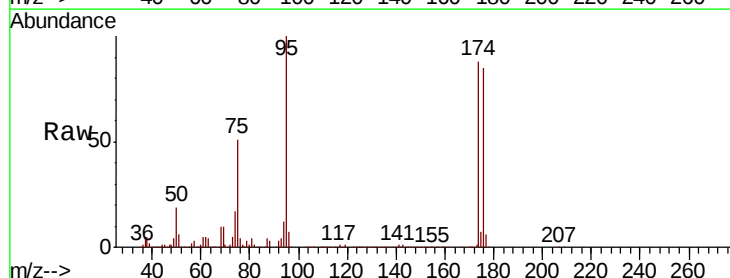
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL

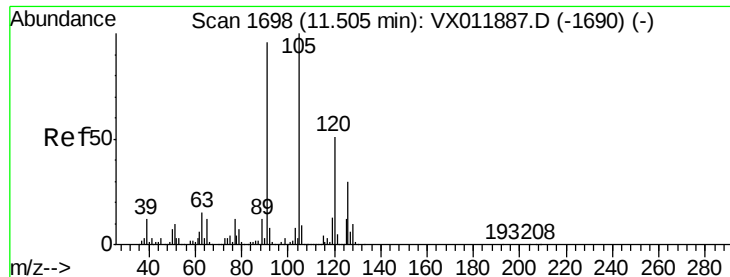
Tgt Ion: 105 Resp: 38934
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.3 75.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.393 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

Tgt Ion: 75 Resp: 119978
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.1 115.7#
 89 0.1 38.2 57.2#





#82

4-Chlorotoluene

Concen: 2.970 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

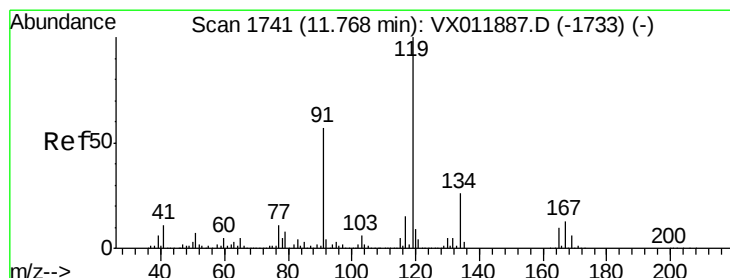
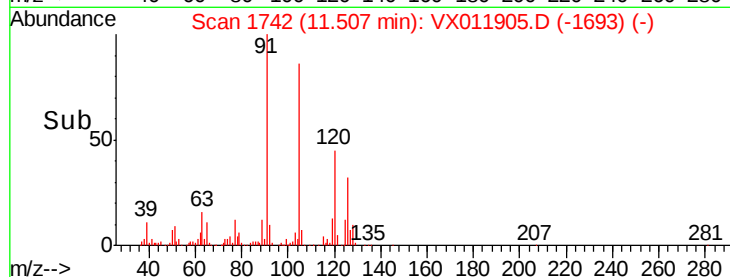
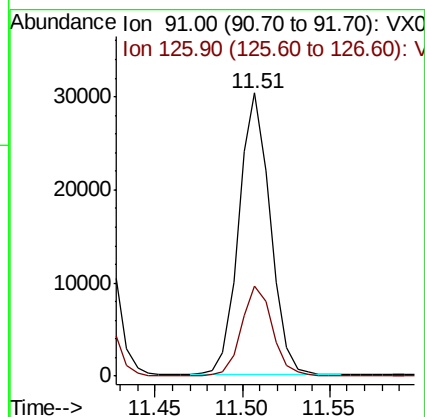
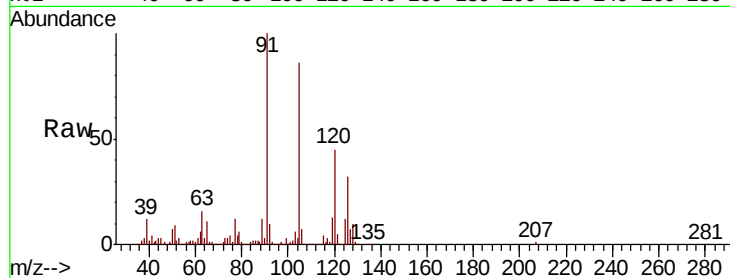
MDL

Tgt Ion: 91 Resp: 37635

Ion Ratio Lower Upper

91 100

126 32.0 15.9 47.6



#83

tert-Butylbenzene

Concen: 2.942 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

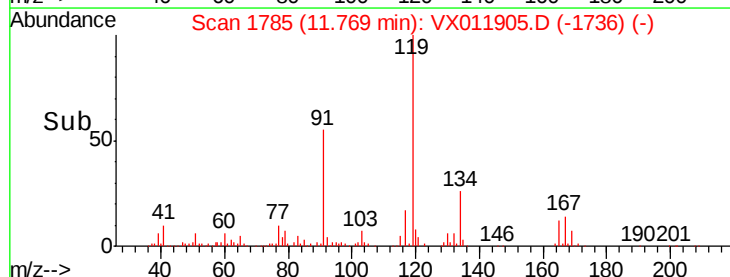
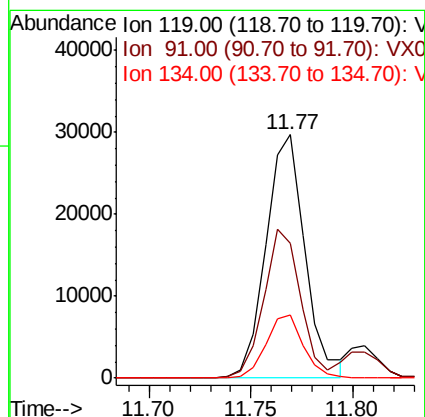
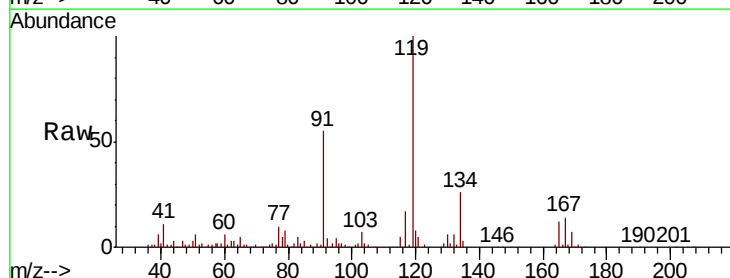
Tgt Ion: 119 Resp: 39649

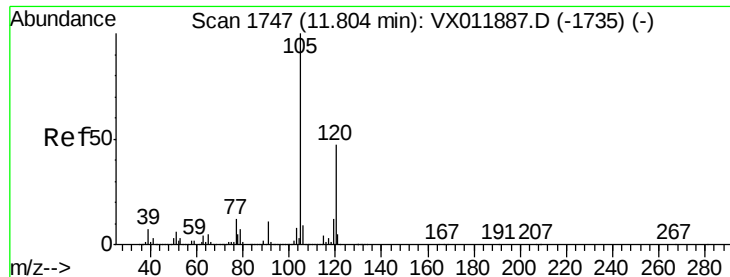
Ion Ratio Lower Upper

119 100

91 57.0 27.9 83.6

134 25.0 12.3 36.8





#84

1,2,4-Trimethylbenzene

Concen: 2.876 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

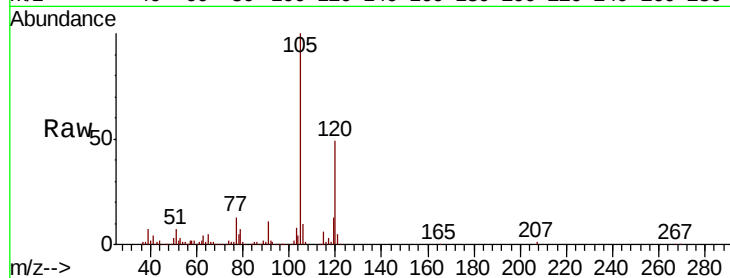
MDL

Tgt Ion:105 Resp: 39149

Ion Ratio Lower Upper

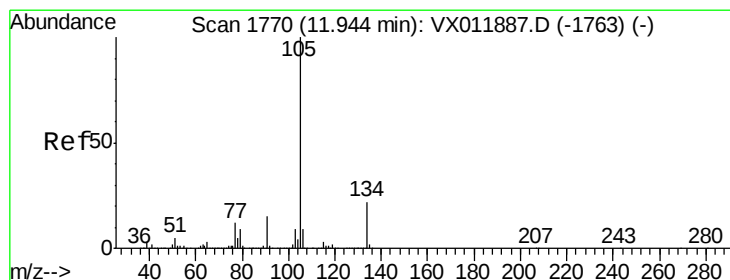
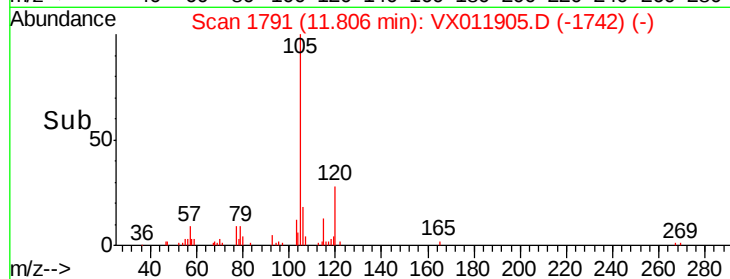
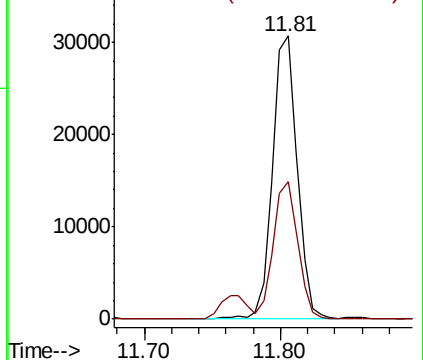
105 100

120 48.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.948 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011905.D

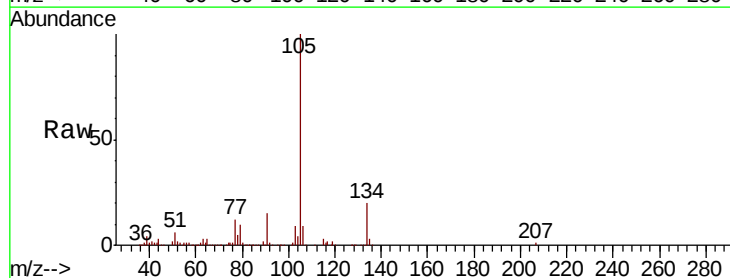
Acq: 30 Aug 2019 13:12

Tgt Ion:105 Resp: 46158

Ion Ratio Lower Upper

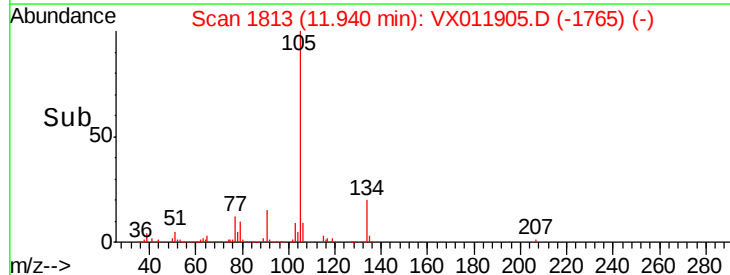
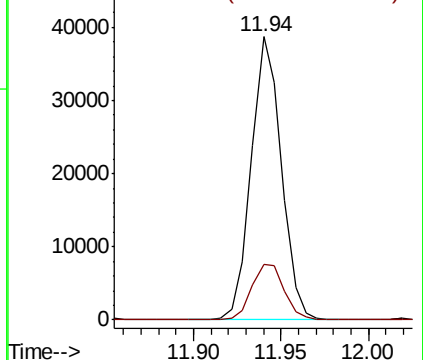
105 100

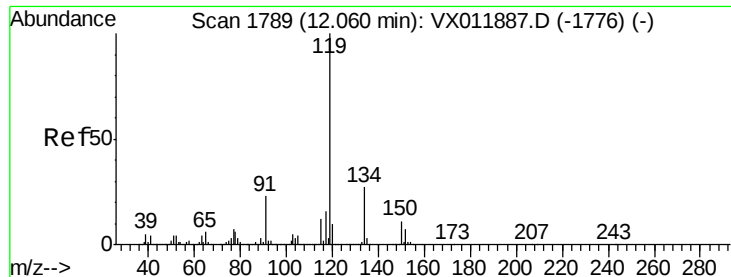
134 21.5 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

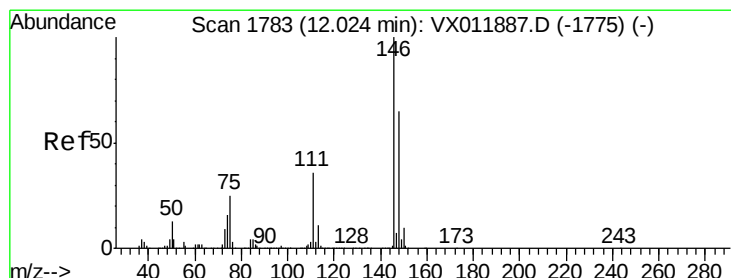
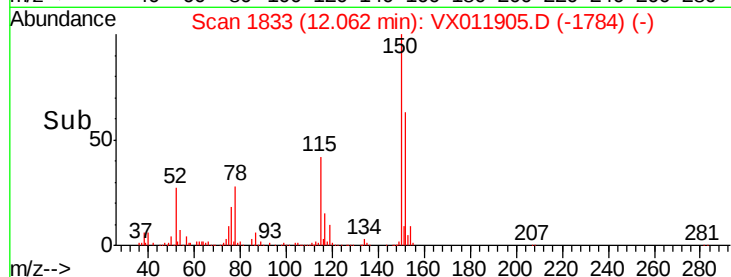
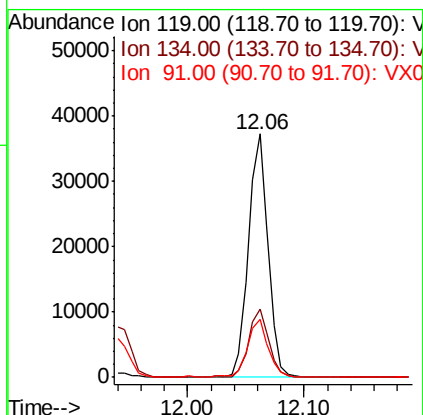
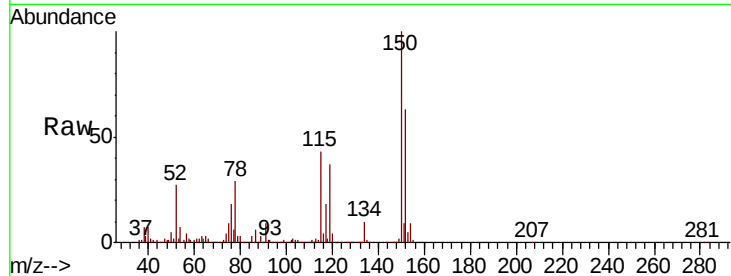




#86
 p-Isopropyltoluene
 Concen: 2.906 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

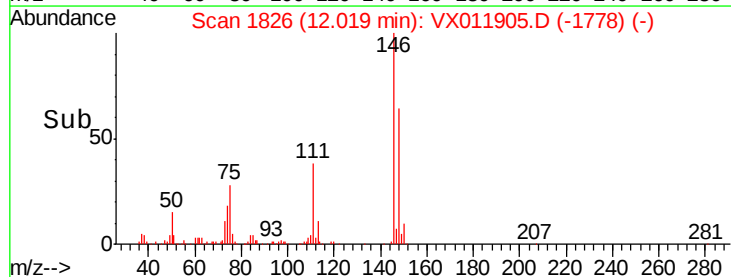
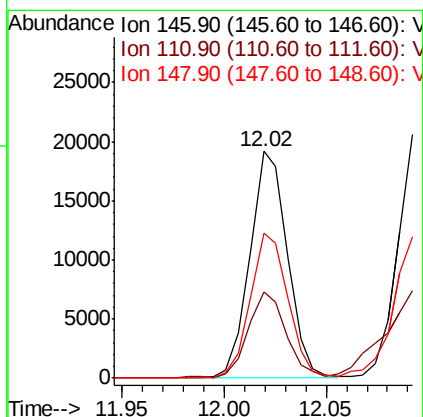
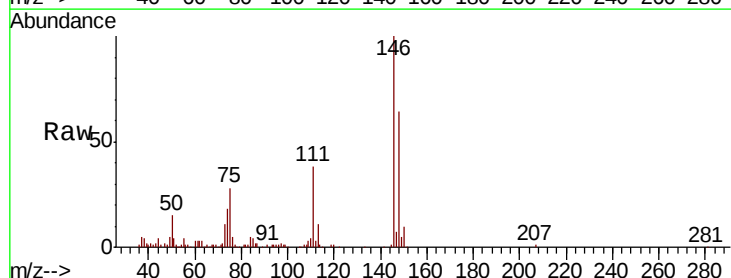
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL

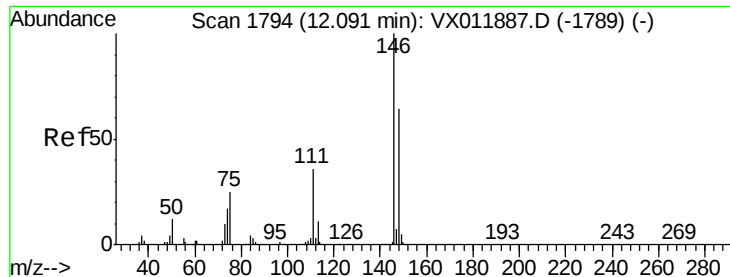
Tgt Ion:119 Resp: 44121
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.7 41.0
 91 24.3 11.6 34.7



#87
 1,3-Dichlorobenzene
 Concen: 2.959 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

Tgt Ion:146 Resp: 24544
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.4 55.2
 148 64.6 32.1 96.5

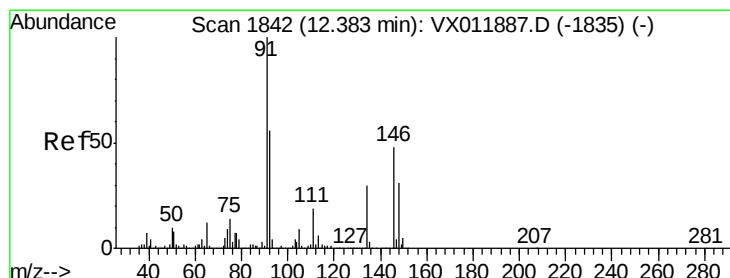
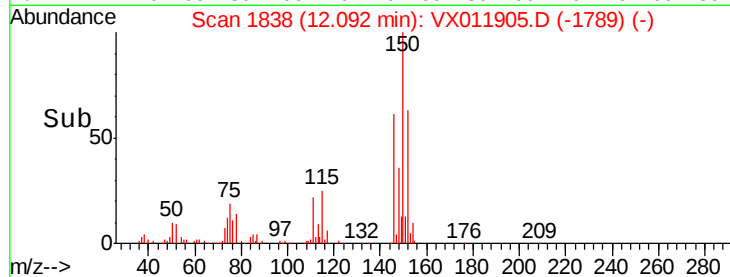
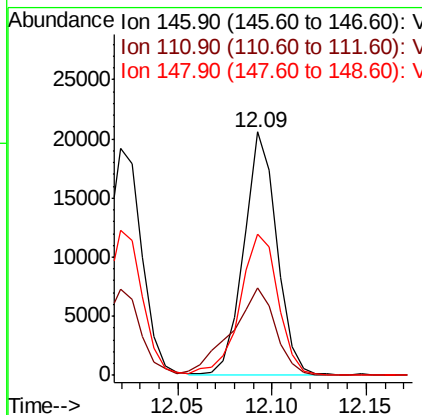
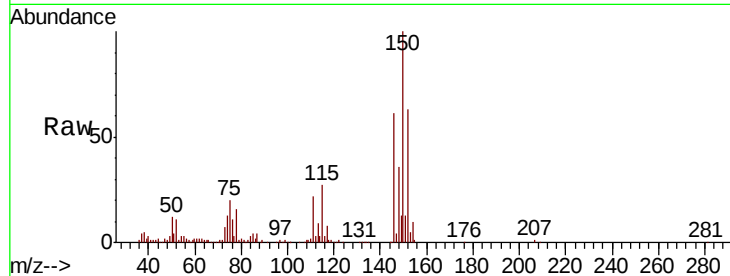




#88
 1,4-Dichlorobenzene
 Concen: 2.983 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

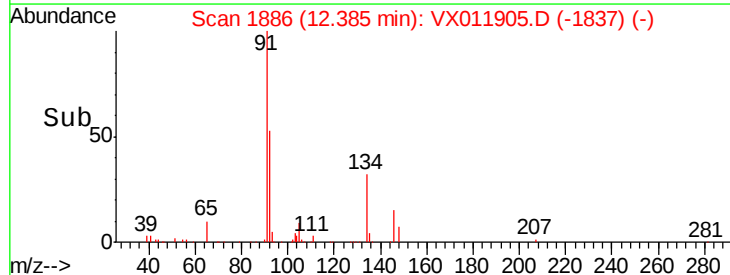
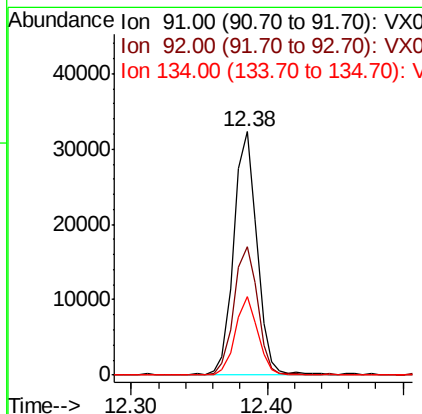
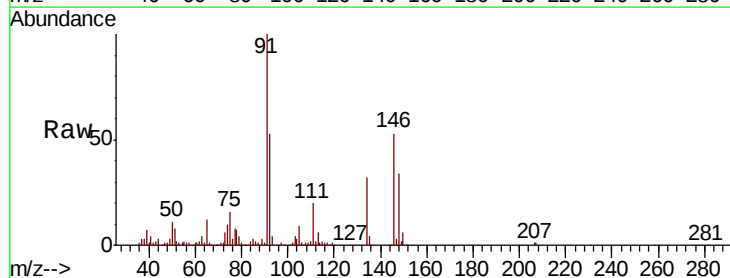
Instrument :
 MSVOA_X
 ClientSampled :
 MDL

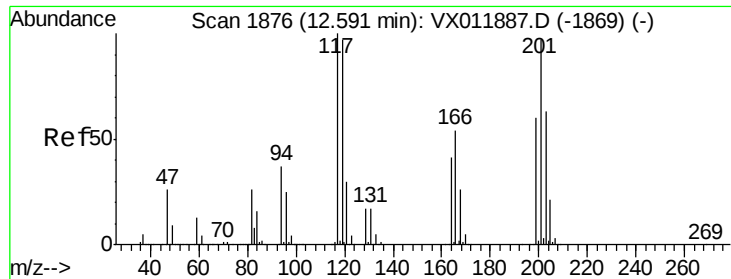
Tgt Ion: 146 Resp: 25014
 Ion Ratio Lower Upper
 146 100
 111 48.0 17.9 53.7
 148 67.0 32.4 97.0



#89
 n-Butylbenzene
 Concen: 2.852 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

Tgt Ion: 91 Resp: 38311
 Ion Ratio Lower Upper
 91 100
 92 55.0 27.6 82.8
 134 31.2 14.8 44.3

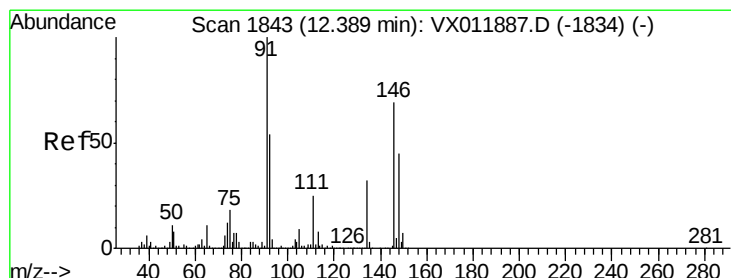
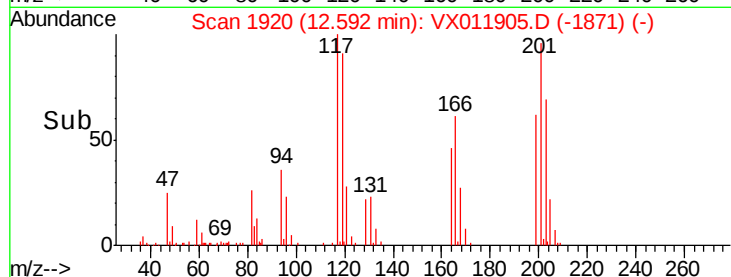
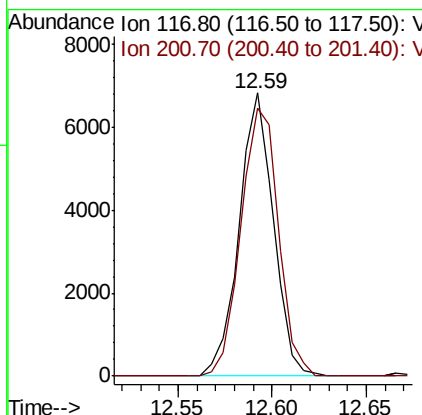
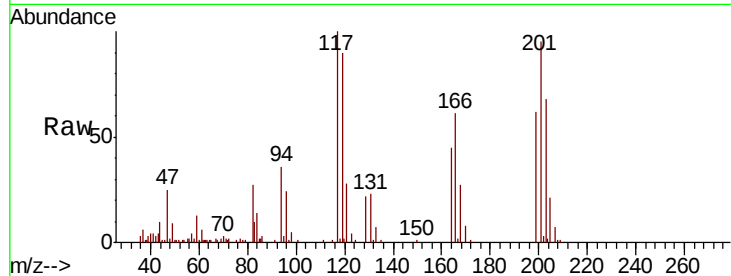




#90
Hexachloroethane
Concen: 2.928 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

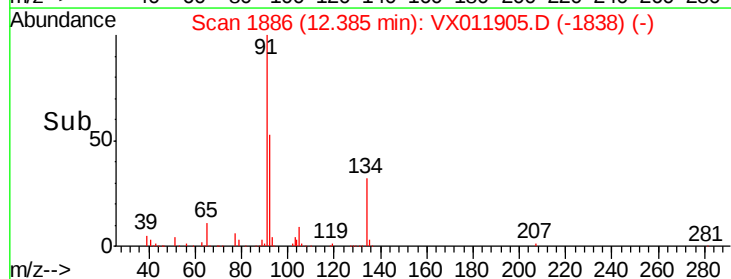
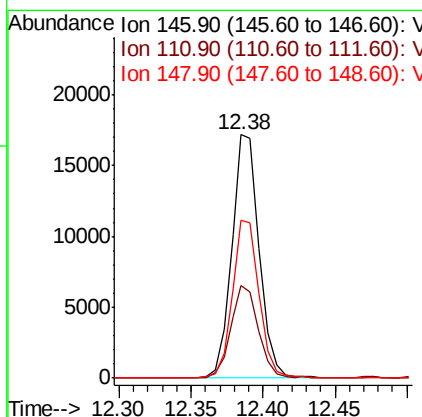
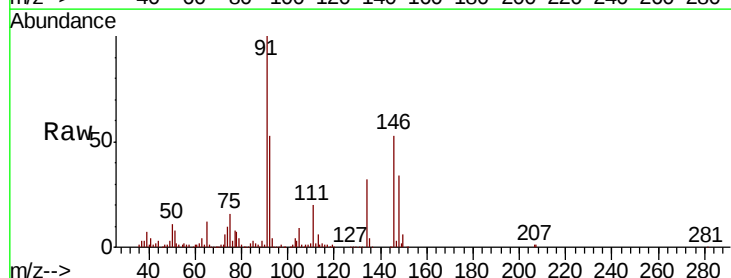
Instrument :
MSVOA_X
ClientSampleId :
MDL

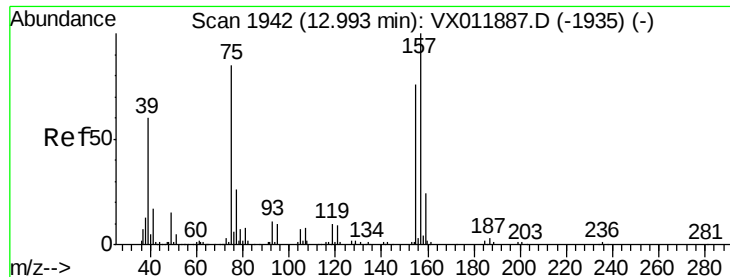
Tgt Ion:117 Resp: 8600
Ion Ratio Lower Upper
117 100
201 103.5 52.8 158.5



#91
1,2-Dichlorobenzene
Concen: 2.962 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX011905.D
Acq: 30 Aug 2019 13:12

Tgt Ion:146 Resp: 22846
Ion Ratio Lower Upper
146 100
111 39.0 18.9 56.5
148 63.3 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.140 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

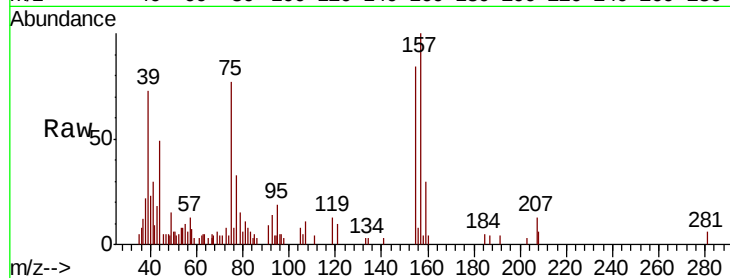
Tgt Ion: 75 Resp: 1970

Ion Ratio Lower Upper

75 100

155 96.1 50.1 150.4

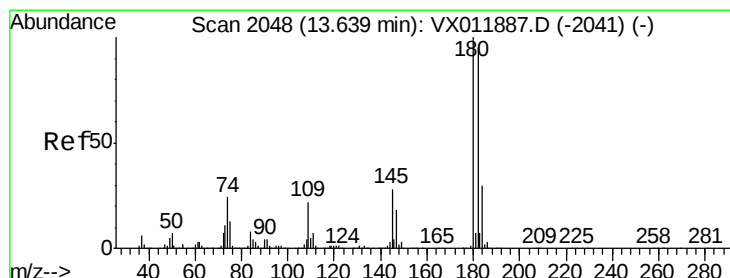
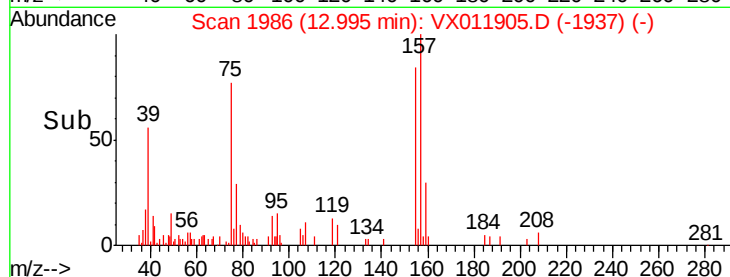
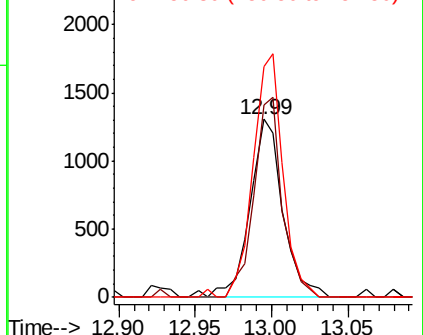
157 123.4 63.9 191.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 3.028 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

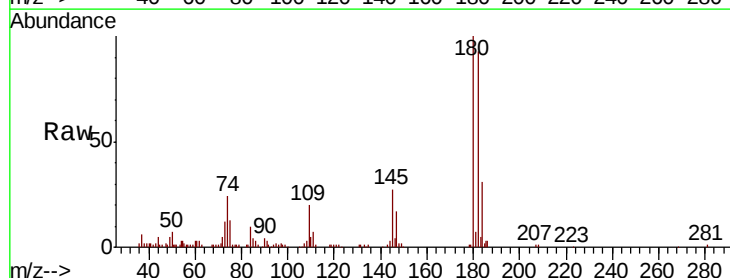
Tgt Ion: 180 Resp: 19665

Ion Ratio Lower Upper

180 100

182 93.8 48.1 144.4

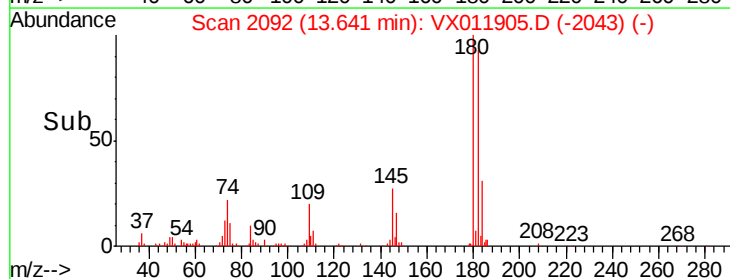
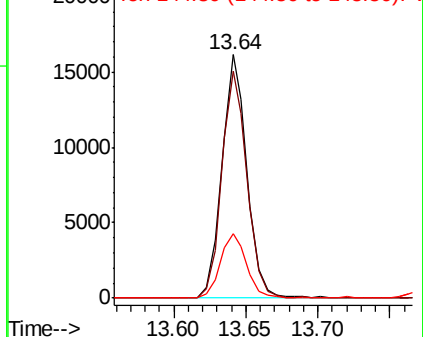
145 27.5 13.8 41.3

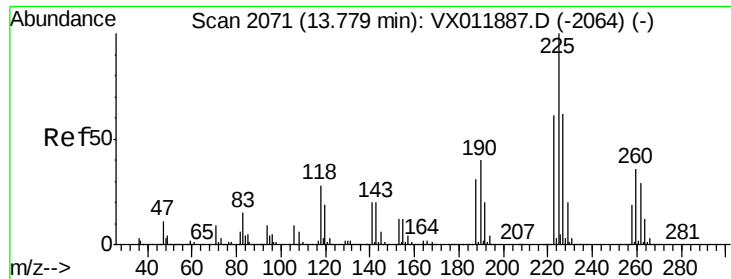


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 2.878 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

MDL

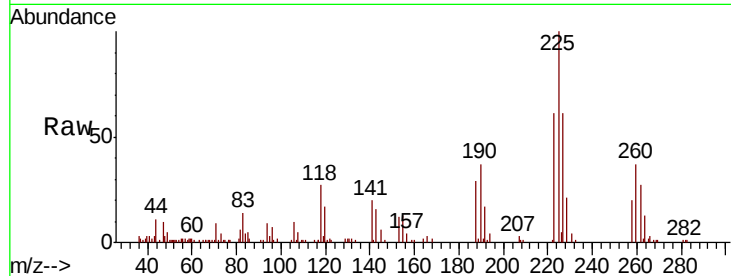
Tgt Ion:225 Resp: 12483

Ion Ratio Lower Upper

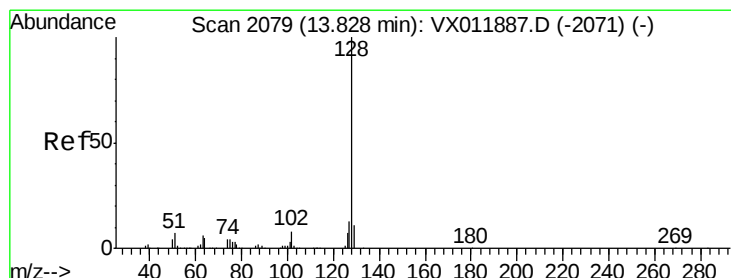
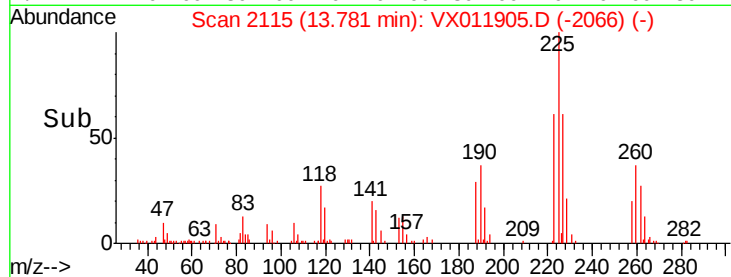
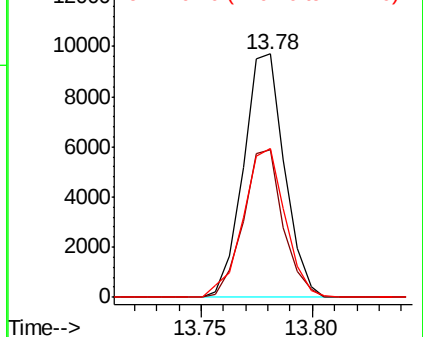
225 100

223 58.6 30.8 92.3

227 62.5 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.823 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011905.D

Acq: 30 Aug 2019 13:12

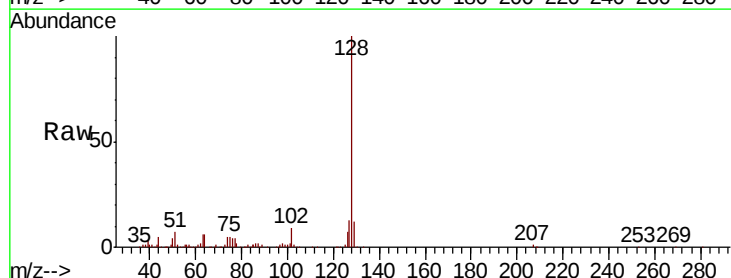
Tgt Ion:128 Resp: 31463

Ion Ratio Lower Upper

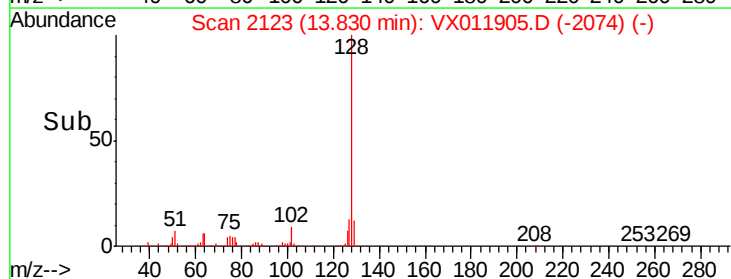
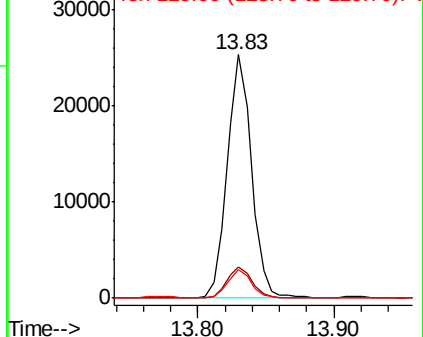
128 100

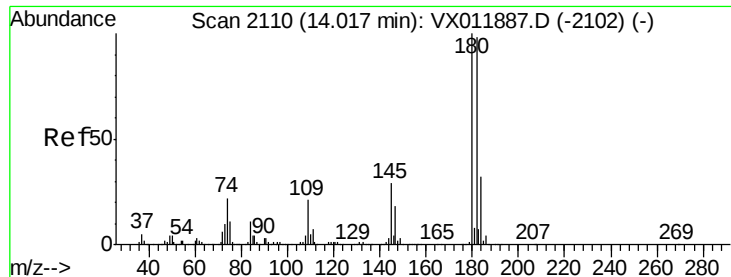
127 13.2 10.4 15.6

129 11.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

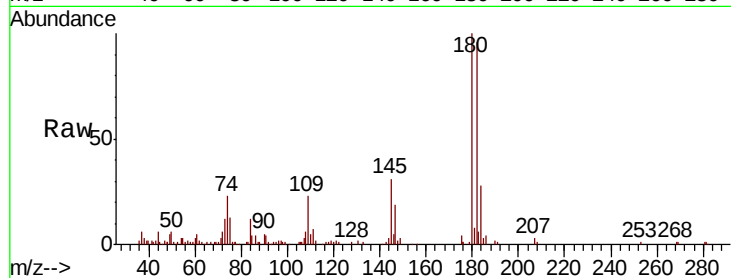




#96
 1,2,3-Trichlorobenzene
 Concen: 2.936 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX011905.D
 Acq: 30 Aug 2019 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL

Tgt Ion:180 Resp: 17241
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.3 144.8
 145 32.3 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

